TENNESSEE COMMISSION ON

FIRE FIGHTING PERSONNEL STANDARDS AND EDUCATION

IN HOUSE PRACTICAL EXAMINATIONS

FOR FIRE DEPARTMENTS

Department of Commerce and Insurance, Authorization No. 335388, 450 copies, February 2010. This public document was promulgated at a cost of $4.04 per copy.

Contained in this booklet are the practical examinations to be utilized by fire departments in Tennessee for in-house practical examinations for the following levels of certification:

- Aerial Apparatus Driver Operator
- Pumper Driver/Operator
- Fire Apparatus Operator (which is Pumper Driver/Operator and Aerial Apparatus Driver/Operator practicals combined)
- Wildland Firefighter I
- Wildland Firefighter II
- Airport Firefighter
- Fire Safety Compliance Officer I *
- Fire Safety Compliance Officer II *

These examinations have been developed from the latest editions of the NFPA Standards applicable to each level of certification.

** This does not meet T.C.A. 68-120-113 nor does it meet the J.P.R.s for NFPA 1031*

In order to qualify to challenge the written examination for one of these levels of certifications, a candidate must first be administered the practical examination as defined in the following pages. **All Skill Sheets for a level must be passed in order to successfully complete the practical examination.** All skills must be accomplished in accordance with applicable NFPA Standards and your fire department's SOPs/SOGs.

All candidates shall be in full personal protective equipment (no SCBA) when conducting aerial ladder operations (outriggers, ladder raising and retracting) and pumper operations (setting pressures, working with charged lines) and or master streams.

The completed Skill Sheets are to be kept on file in the fire department for each applicant for a period of at least 3 years from the date the applicant receives certification for that level. It is permissible for the completed skill sheets to be scanned into a pdf file for easier storage. These practicals are subject to audit by the Commission.

Please note that on skill sheets where the skill calls for a scenario to be utilized, it the responsibility of the Training Officer to develop the scenario to be used for that practical examination. The scenarios should be changed periodically to ensure security of the practical examinations being administered.

The "In House Practical Sign-off Sheet" must also be completed and must be attached to the "Application for Written Examination". A copy of this sheet should be maintained on file in the fire department as it must be attached to the application for any retests for that level of certification.

In accordance with the Commission's Rules and Regulations, this practical will be good from one year from the date the candidate first takes a written examination. Should the applicant have not passed the written examination after one year, the candidate will be required to take a new practical examination.

If a fire department would like to develop their own practical examination for any of these levels of certification, the practical must be submitted to the Commission for approval. Along with the practical, the department must submit a correlation sheet showing how all of the skills objectives outlined in the appropriate NFPA Standard are testing in the practical developed. The information submitted will be reviewed by the Commission at its next regularly scheduled meeting. In this instance, a statement signed by both the applicant and Training Officer must be attached to the "Application for Written Examination" certifying to the Commission that the practical examination approved by the Commission was completed and noting the date(s) of completion. The skill sheets must be kept on file and are subject to audit by the Commission.

IMPORTANT: As of _____, which is the effective date of the new Rules and Regulations of the Commission, no old practicals will be accepted. All applicants must complete a new practical in accordance with the latest NFPA Standards and these guidelines in order to be eligible to challenge a written examination.

AERIAL APPARATUS
DRIVER/OPERATOR

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER/OPERATOR (AADO)

Skill No. AADO-1 **Standard: 4.2.1** **NFPA 1002 2009 Edition**	**Primary Task**: Perform routine tests, inspections and servicing functions specified in the following list given a fire department aerial apparatus and its manufacturer's specifications, so that the operational status of the pumper is verified

Performance Outcome: The ability to use hand tools, recognize system problems and correct any deficiency noted according to policies and procedures.

Equipment Required: A fire department aerial apparatus, the appropriate equipment to complete the assigned task and appropriate department forms

Task Steps	Pass	Fail
1. Batteries		
2. Braking system		
3. Coolant system		
4. Electrical system		
5. Fuel		
6. Hydraulic fluid		
7. Oil		
8. Tires		
9. Steering system		
10. Belts		
11. Tools, appliances and equipment		
12. Stabilizing systems		
13. Inspect turntable assembly		
14. Inspect aerial device communication system		
15. Inspect aerial device extension/retracting system		
16. Inspect elevation/lifting cylinders		
17. Inspect the aerial ladder sections (fly, mid(s)) base		
18. Inspect aerial waterway and nozzle position		
19. Inspect equipment attached to any portion of the aerial device or ladder sections		
♦20. The candidate shall wear eye protection while performing this test		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**14**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature(s)

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER OPERATOR (AADO)

Skill No. **AADO-2** **Standard: 4.3.1** **NFPA 1002 2009 Edition**	**Primary Task**: The fire apparatus driver/operator, given a fire department aerial apparatus, shall demonstrate the ability to prepare the aerial apparatus to be driven.

Performance Outcome: Preliminary apparatus inspection

Equipment Required: Fire department aerial apparatus

Task Steps	Pass	Fail
1. Check and adjust the driver's seat		
2. Check and adjust the vehicle's mirrors		
♦3. Fasten seatbelts PRIOR to placing the aerial apparatus in motion		
♦4. Verify that ALL occupants are seated and seatbelts fastened prior to placing the aerial apparatus in motion		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective	**Total steps candidate must complete to pass:**	**3**	**TOTALS**		

Test Date_____ Location:_____
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Candidate's Fire Dept._____
Evaluator Signature(s)

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIER OPERATOR (AADO)

Skill No. AADO-3 **Standard: 4.3.1** **NFPA 1002 2009 Edition**	**Primary Task**: Operate a fire department aerial apparatus over a predetermined route on a public way that incorporates the maneuvers and features specified in the list in 4.3.1 so that the vehicle is safely operated in compliance with all applicable state and local laws, department rules and regulations, and the requirements of NFPA 1500. Standard on Fire Department Occupational Safety and Health Programs. Section 4.2

Performance Outcome: The candidate will safely complete the task operating the department aerial apparatus on a predetermined route provided by the host fire department.

Equipment Required: A fully-equipped fire department aerial apparatus

Task Steps	Pass	Fail
1. Four left turns		
2. Four right turns		
3. A straight section of urban business street or a two-lane rural road at least one mile in length		
4. One through intersection and two intersections where a stop has to be made		
5. One railroad crossing		
6. One curve, either left or right		
7. A section of limited-access highway that includes a conventional ramp entrance and exit and a section of road long to allow two lane changes		
8. A down-grade steep enough and long enough to require down-shifting and braking		
9. An upgrade steep enough and long enough to require gear changing to maintain speed		
10. One underpass or a low clearance or bridge		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective	**Total steps candidate must complete to pass:**	**7**	**TOTALS**		

Test Date_____ Location:_____
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Evaluator Signature(s)

TENNESSEE COMMISSION
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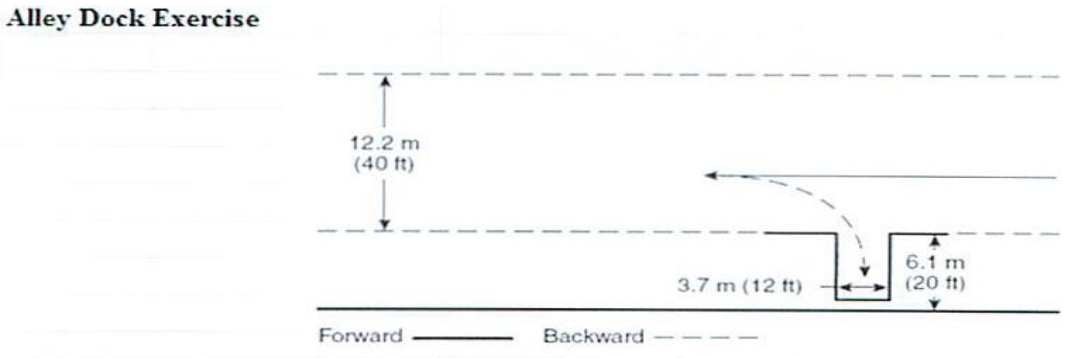
AERIAL APPARATUS DRIVER/OPERATOR (AADO)

Skill No. **AADO-4** **Standard: 4.3.2** **NFPA 1002 2009 Edition**	**Primary Task**: Perform the practical driving exercises specified in 4.3.2 through 4.3.5 given a fire department aerial apparatus and a spotter for backing so that each exercise is performed safely without, striking the vehicle or any obstructions

Performance Outcome: Back a vehicle from a roadway into restricted spaces on both the right and left sides of the vehicle, given a fire department aerial apparatus, spotter and restricted spaces 12 feet in width requiring a 90 degree right hand and left hand turns from the roadway, so that the vehicle is parked within the restricted area, without having to stop and/or pull forward and without striking any obstructions

Equipment Required: A fire department aerial apparatus

Task Steps	Pass	Fail
1. Back the aerial apparatus into restricted space on the right side without having to stop and/or pull forward and without striking an obstruction		
2. Back the aerial apparatus into restricted space on the left side without having to stop and/or pull forward and without striking any obstructions		
3. Do not allow the aerial apparatus to leave the course boundaries		
♦4. Fasten seatbelts PRIOR to placing the aerial apparatus in motion		
♦5. Verify that ALL occupants are seated and seatbelts fastened prior to placing the aerial apparatus in motion		
♦6. Properly deploys a spotter during the backing process		
		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

Test Date_____ Location:_____
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Evaluator Signature(s)

TENNESSEE COMMISSION
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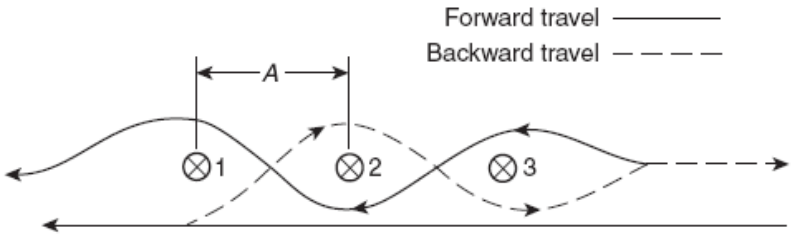
AERIAL APPARATUS DRIVER/OPERATOR (AADO)

Skill No. AADO-5 **Standard: 4.3.3** **NFPA 1002 2009 Edition**	**Primary Task**: Perform the practical driving exercises specified in 4.3.2 through 4.3.5 given a fie department aerial apparatus and a spotter for backing so that each exercise is performed safely without striking the vehicle or any obstructions

Performance Outcome: Maneuver a fire department aerial apparatus around obstructions on a roadway while moving forward and in reverse, given a fire department vehicle, spotter for backing and a roadway for obstructions so that the vehicle is maneuvered through the obstacle without stopping and/or changing the direction of travel and without striking any obstructions

Equipment Required: A fully-equipped fire department aerial apparatus

Task Steps	Pass	Fail
1. Maneuver the aerial apparatus forward around obstructions without stopping and/or changing direction of travel and without striking any obstructions		
2. Maneuver the aerial apparatus in reverse around obstructions without stopping and/or changing direction of travel and without striking any obstructions		
3. Do not allow the aerial apparatus to leave the course boundaries		
♦4. Fasten seatbelt PRIOR to placing the aerial apparatus in motion		
♦5. Verify that ALL occupants are seated and seatbelts fastened prior to placing the aerial apparatus in motion		
♦6. Properly deploys a spotter during the backing process		



A: 9 m to 12 m (30 ft to 38 ft) based on vehicle wheel base

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

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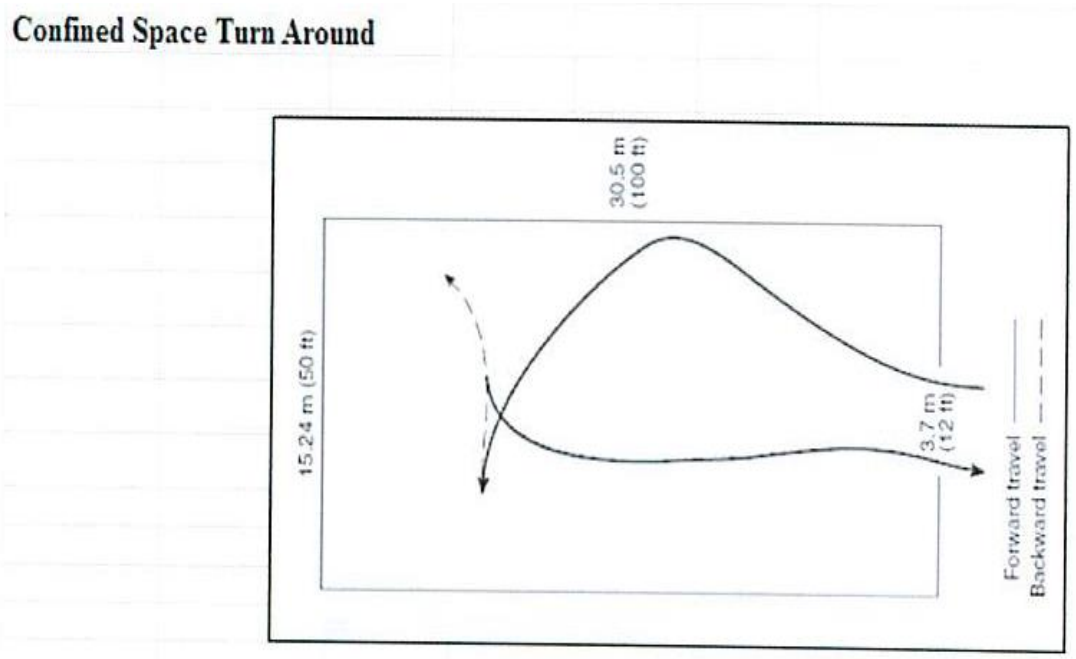
AERIAL APPARATUS DRIVER/OPERATOR (AADO)

Skill No. **AADO-6** **Standard: 4.3.4** **NFPA 1002 2009 Edition**	**Primary Task**: Perform the practical driving exercises specified in 4.3.2 through 4.3.5 given a fire department aerial apparatus and a spotter for backing so that each exercise is performed safely without striking the vehicle or any obstructions.

Performance Outcome: Turn a fire department vehicle 180 degrees within a confined space, given a fire department vehicle, a spotter for backing and an area in which the vehicle cannot perform a U-turn without stopping and backing up, so that the vehicle is turned 180 degrees without striking any obstructions within the given space.

Equipment Required: A fully-equipped fire department aerial apparatus

Task Steps	Pass	Fail
1. Turn the aerial apparatus 180 degrees within a confined space without striking obstructions		
2. Do not allow the aerial apparatus to leave course boundaries		
♦3. Fasten seatbelt PRIOR to placing the aerial apparatus in motion		
♦4. Verify that ALL occupants are seated and seatbelts fastened prior to placing the aerial apparatus in motion		
♦5. Properly deploys a spotter during the backing process.		
		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**4**	**TOTALS**		

Test Date_____ Location:_____
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TENNESSEE COMMISSION
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AERIAL APPARATUS DRIVER/OPERATOR (AADO)

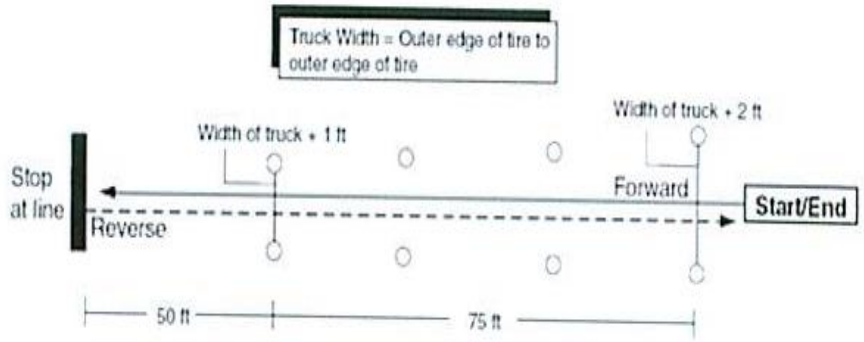
Skill No: **AADO-7** **Standard: 4.3.5** **NFPA 1002 2009 Edition**	**Primary Task**: Perform the practical driving exercises specified in 4.3.2 through 4.3.5 given a fire department aerial apparatus and a spotter for backing, so that each exercise is performed safely without striking the vehicle or any obstructions

Performance Outcome: Maneuver a fire department vehicle in areas with restricted horizontal and vertical clearances, given a fire department vehicle and a course that requires the operator to move forward through areas of restricted horizontal and vertical clearances, so that the operator accurately judges the ability of the vehicle to pass through the openings and so that no obstructions are struck

Equipment Required: A fully-equipped fire department aerial apparatus

Task Steps	**Pass**	**Fail**
1. Maneuver the aerial apparatus forward through the diminishing clearance exercise without striking any obstructions		
2. Do not allow the aerial apparatus to cross over the finishing line		
♦3. Fasten seatbelt PRIOR to placing the aerial apparatus in motion		
♦4. Verify that ALL occupants are seated and seatbelts fastened prior to placing the aerial apparatus in motion.		
♦5. Properly deploys a spotter during the backing process.		

Diminishing Clearance



♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**4**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
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TENNESSEE COMMISSION
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AERIAL APPARATUS DRIVER/OPERATOR (AADO)

Skill No.: **AADO-8** **Standard: 6.1.1** **NFPA 1002 2009 Edition**	**Primary Task**: Perform routine tests, inspections and servicing functions specified in the following list in addition to those specified in 4.2.1

Performance Outcome: The ability to perform routine test, inspections and servicing functions in addition to those specified in 4.2.1 while following all manufacture and local jurisdictions policies and procedures

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and appropriate department forms

Task Steps	Pass	Fail1.
1. Cable systems (if applicable)		
2. Aerial device hydraulic systems		
3. Slides and rollers		
4. Stabilizing systems		
5. Aerial device safety systems		
6. Breathing air systems		
7. Communication systems		

♦***Critical Step*** - Failure on this step mandate failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

Test Date_____ Location:_____
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AERIAL APPARATUS DRIVER/OPERATOR (AADO)

Skill No.: **AADO-9** **Standard: 6.2.2** **NFPA 1002 2009 Edition**	**Primary Task**: Stabilize an aerial apparatus given a properly positioned vehicle and the manufacturer's recommendations so the power can be transferred to the aerial device hydraulic system and the device can be safely deployed.

Performance Outcome. The ability to transfer power from the vehicles engine to the hydraulic system and operate vehicle stabilization devices

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and appropriate department forms

Task Steps	Pass	Fail
1. Ensure the apparatus placement in appropriate for the assigned task		
2. Set the parking brake		
3. Place transmission selector in the appropriate gear recommended by the manufacturer		
4. Activate the PTO system		
5. Place the transmission selector in the appropriate gear recommended by the manufacturer for the assigned task		
6. Check for overhead obstructions and ensure proper apparatus placement		
♦7. Dons full personal protective equipment		
♦8. Chock both in front of and behind the tire of the appropriate wheel(s) on both sides of The apparatus (based on manufacturer's recommendation)		
♦9. Check the expected travel path of the stabilizers for obstructions and/or limiting factors		
10. Check the ground surface for stability and proper conditions		
11. Deploy and properly place the stabilizer ground pads		
12. Properly deploy the stabilizers		
13. Raise the apparatus to its working position, as close to level as possible		
14. Lock the stabilizers by manufacturer's recommendations (holding valves, interlock feature safety pins or combination of features)		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**10**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
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TENNESSEE COMMISSION
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AERIAL APPARATUS DRIVER/OPERATOR (AADO)

Skill No. **AADO-10** **Standard: 6.2.3** **NFPA 1002 2009 Edition**	**Primary Task**: Maneuver and position the aerial device from each control station, given an incident location, a situation description, and an assignment, so that the aerial device is properly positioned to safely accomplish the assignment

Performance Outcome: The ability to raise, rotate, extend and position to a specified location and the ability to lock, unlock, retract, lower and bed the aerial device. The aerial apparatus operator will properly raise and position the aerial device to perform window ventilation from the _____ window from the left/right of the _____ floor of a multiple story building on the _____ side. The wind is out of the _____ at _____ mph.

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and appropriate department forms

Task Steps	Pass	Fail
1. Ensure all safety devices are in place and are properly used by the operator		
♦2. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.		
3. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target		
4. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is inline with the intended target (to the upwind side)		
5. Extend the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target		
6. Lower the aerial device to the objective (slightly above the window)		
7. Align aerial device ladder rungs		
8. Refers to aerial load chart for proper ladder and tip loads		
9. Clears firefighters to safely climb the aerial ladder		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective.	**Total steps candidate must complete to pass:**	**7**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature(s)

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER/OPERATOR (AADO)

Skill No. AADO-11 **Standards: 6.2.4** **NFPA 1002 2009 Edition**	**Primary Task**: After raising aerial in accordance with 6.2.3, firefighter will lower aerial, using the emergency operating system, so that the aerial is lowered to its bedded position.

Performance Outcome: The ability to raise the aerial in accordance with 6.2.3. The operator will lower the aerial to the bedded position using the emergency operating system. The operator will adhere to the manufactures guidelines and adhere to all departmental policies and procedures

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and appropriate department forms

Task Steps	Pass	Fail
1. Ensure all safety devices are in place and are properly used by the operator		
♦2. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.)		
3. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target		
4. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is in-line with the intended target (to the upwind side)		
5. Extended the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target		
6. Lower the aerial device to the objective (slightly above the window)		
7. Align aerial device ladder rungs		
8. Refers to aerial load chart for proper ladder and tip loads		
9. Lowers aerial to bedded position using emergency operating systems		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**7**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature(s)

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER/OPERATOR (AADO)

Skill No: AADO-12 **Standards: 6.2.5** **NFPA 1002 2009 Edition**	**Primary Task**: Deploy and operate an elevated master stream, given a master stream device and a desired flow, so that the stream in effective and the device is operated safely

Performance Outcome: The ability to connect a water supply to a master stream device and control an elevated nozzle remotely during a fire attack

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and appropriate department forms

Task Steps	Pass	Fail
1. Ensure all safety devices are in place and are properly used by the operator		
♦2. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.)		
3. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target		
4. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is in-line with the intended target		
5. Extended the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target		
6. Position proper nozzle placement for the assigned task (straight stream pattern)		
7. Adjust nozzle angle for the assigned task (inside window toward ceiling)		
8. Notifies engineer to turn off water to aerial ladder		
9. Returns the nozzle to proper position for storage		
10. Retract, rotate and lower aerial device		
11. Properly bed the aerial device		
12. Close water supply and disconnect water supply from the fire apparatus		
13. Opens waterway drain and drains waterway pipe completely prior to repositioning the ladder		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**10**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER/OPERATOR (AADO)

Skill No: **AADO-13** **Standards: 6.2.5** **NFPA 1002, 2009**	**Primary Task**: Deploy and operate an elevated master stream given a master stream device and a desired flow, so that the stream is effective and the device is operated safely

Performance Outcome: The ability to connect a water supply to a master stream device and control an elevated nozzle manually or remotely. The aerial apparatus operator will first explain and demonstrate the proper procedures to manually operate the nozzle on the waterway. After connecting an adequate water supply, the aerial operator will demonstrate the proper procedures to safely raise the aerial device and position the waterway to flow _____ gpm using a _____ inch smooth bore nozzle/fog nozzle, to the _____ floor window on the _____side of the building for an offensive/defensive firefighting mode. The aerial operator must calculate and flow the correct pump pressure for the situation described.

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies and procedures

Task Steps	**Pass**	**Fail**
1. Connect an adequate water supply to the proper water inlet (as per department SOPs and manufacturer's specifications)		
2. Ensure all safety devices are in place and are properly used by the operator		
♦3. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.)		
4. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target.		
5. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is in line with the intended target		
6. Extend the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target		
7. Position proper nozzle placement for the assigned task (straight stream pattern)		
8. Adjust nozzle angle for the assigned task (inside window toward ceiling)		
9. Refers to aerial load chart for proper ladder and tip loads		
10. Smoothly opens waterway discharge valve with minimal stress and movement of the aerial device and waterway		
11. Discharges the correct gpm for the assigned task at _____ psi pump pressure		
12. Smoothly closes the waterway discharge valve with minimal stress and movement of the aerial device and waterway		
13. Disengages pump		
14. Close water supply and disconnect water supply from fire apparatus		
Skills Continued On Next Page		

SKILL AAD0-13 CONTINUED

15. Opens waterway drain and drains waterway pipe completely prior to repositioning the ladder					
16. Returns the nozzle to proper position for storage					
17. Retract, rotate and lower aerial device					
18. Properly bed the aerial device					
♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**13**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature(S)

TENNESSEE COMMISSION
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AERIAL APPARATUS DRIVER/OPERATOR (AADO)

Skill No: **AADO-14** **Standards: 6.2.5** **NFPA 1002 2009**	**Primary Task**: Deploy and operate an elevated master stream, given a master stream device and a desired flow, so that the stream is effective and the device is operated safely

Performance Outcome: The ability to connect a water supply to a master stream device and control an elevated nozzle manually or remotely. The aerial apparatus operator will first explain and demonstrate the proper procedures to manually operate the nozzle on the waterway. After connecting an adequate water supply, the aerial operator will demonstrate the proper procedures to safely raise the aerial device and position the waterway to flow _____ gpm using a _____ inch smooth bore nozzle/fog nozzle, _____ feet in elevation with the ladder extended to _____ feet in a defensive firefighting mode. The aerial operator must calculate and flow the correct pump pressure for the situation described.

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies and procedures

Task Steps	Pass	Fail
1. Connect an adequate water supply to the proper water inlet (as per department SOPs and manufacturer's specifications)		
2. Ensure all safety devices are in place and are properly used by the operator		
♦3. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.)		
4. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target		
5. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is in line with the intended target		
6. Extend the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target		
7. Position proper nozzle placement for the assigned task (wide fog pattern)		
8. Adjust nozzle angle for the assigned task (between windows)		
9. Refers to aerial load chart for proper ladder and tip loads		
10. Smoothly opens waterway discharge valve with minimal stress and movement of the aerial device and waterway		
11. Discharges the correct gpm for the assigned task at _____ psi pump pressure		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**8**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature(s)

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER OPERATOR (AADO)

Skill No. **AADO-15** **Standard: 6.2.5** **NFPA 1002 2009 Edition**	**Primary Task**: Deploy and operate an elevated master stream, given a master stream device and a desired flow, so that the stream is effective and the device is operated safely

Performance Outcome: The ability to connect a water supply to a master stream device and control an elevated nozzle manually or remotely. The aerial apparatus operator will first explain and demonstrate the proper procedures to manually operate the nozzle on the waterway. After connecting an adequate water supply, the aerial operator will demonstrate the proper procedures to safely raise the aerial device and position the waterway.

Equipment Required: A fully equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies and procedures

Task Steps	Pass	Fail
1. Connect an adequate water supply to the proper water inlet		
2. Ensure all safety devices are in place and are properly used by the operator		
♦3. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.)		
4. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application in the desired height for the intended target		
5. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is in line with the intended target		
6. Extend the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target		
7. Position proper nozzle placement for the assigned task (wide fog pattern)		
8. Adjust nozzle angle for the assigned task (between windows)		
9. Refers to aerial load chart for proper ladder and tip loads		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective	**Total steps candidate must complete to pass:**	**7**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature(s)

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER OPERATOR (AADO)

Skill No. **AADO-16** **Standard: 6.2.5** **NFPA 1002 2009 Edition**	**Primary Task**: Deploy and operate a foam elevated master stream given a foam-capable master stream device and a desired flow so that the stream is effective and the device is operated safely

Performance Outcome: The ability to supply foam to a master stream device and control an elevated nozzle manually or remotely. The candidate shall demonstrate the ability to operate foam producing equipment, connect foam stream equipment and produce an effective elevated fire stream supplied with foam.

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies and procedures

Task Steps	Pass	Fail
1. Ensure all safety devices are in place and are properly used by the operator		
♦2. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.)		
3. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target		
4. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is in line with the intended target		
5. Extend the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target		
6. Position proper nozzle placement for the assigned task (wide fog pattern)		
♦7. Identify type of foam-producing equipment being utilized		
8. Prepare foam-producing equipment for operation		
9. Adjust throttle to correct pump discharge pressure for foam-producing equipment being utilized		
♦10. Identify correct foam concentration for a specific type fire, to be determined by the evaluator		
11. Produce an effective foam-supplied fire stream		
♦12. Identify limitations of foam type being utilized		
♦13. Demonstrate shut down procedures		
♦14. Identify proper cleaning or flushing procedures for equipment utilized, per the manufacturer's recommendations		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective	**Total steps candidate must complete to pass:**	**10**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature(s)

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER OPERATOR (AADO)

Skill No. AADO-17 **Standard: 6.2.5** **NFPA 1002 2009 Edition**	**Primary Task: Deploy and operate an elevated master stream, given an aerial device, a master stream device and a desired flow so that the stream is effective and the aerial and master stream devices are operated correctly.**

Performance Outcome: – **The ability to connect a water supply to a master stream device and control an elevated nozzle manually or remotely.**

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies and procedures

THE CANDIDATE MUST COMPLETE EITHER TASK 1 OR TASK 2

Task Steps AERIAL LADDERS WITH A DETACHABLE LADDER PIPE NOZZLE	Pass	Fail
1. Position the Apparatus		
2. Transfer power from the drive train to the aerial device hydraulic system.		
♦3. Set the stabilizers		
4. Prepare the ladder pipe for attachment to the aerial ladder. a. Fog Nozzle: Set for appropriate fire stream and flow rate as applicable. b. Solid Stream Nozzle: Place appropriate nozzle tip on end of nozzle.		
♦5. Attach the ladder pipe and hose to the aerial ladder.		
♦6. Attach supply hose to aerial ladder, running hose down the center of the ladder and lashing the hose to the ladder once every 15 to 20 feet (4m to 6m).		
7. Attach a siamese appliance to the opposite end of the ladder pipe supply hose.		
8. Attach a supply hose to the siamese.		
9. Raise the aerial ladder to the desired operational position.		
10. Engage the aerial ladder locks (If present).		
11. Check the ladder pipe controls.		
12. Charge the ladder pipe supply hose and operate the fire stream. a. Fog Nozzle: 80 psi (560 kPa) b. Solid Stream Nozzle: 100 psi (700 kPa)		
13. Correctly demonstrate how to manually or remotely rotate the nozzle from side to side.		
14. Correctly demonstrate how to manually or remotely raise and lower the nozzle.		
15. Correctly demonstrate how to manually or remotely adjust the spray pattern of the nozzle.		
16. Shut down the ladder pipe operation and stow the aerial device and all associated equipment.		
SKILL AADO-17 CONTINUED ON NEXT PAGE WITH TASK 2		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective	**Total steps candidate must complete to pass:**	12	**TOTALS**		

Test Date_____ Location:_____
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SKILL AAD0-17 CONTINUED

TASK 2

AERIAL LADDERS WITH FIXED WATERWAY SYSTEMS

TASK STEPS	PASS	FAIL
1. Position the apparatus.		
2. Transfer power from the drive train to the aerial device hydraulic system.		
♦3. Set the stabilizers		
4. Establish a water supply to the aerial ladder waterway system a. Quint supplying master stream from onboard water: Attach a large-diameter supply hose or multiple medium-diameter supply hoses from a pumper or hydrant to the pump intake on the aerial apparatus. b. Pumper supplying master stream: Attach a large-diameter supply hose or multiple medium-diameter supply hoses from a pumper to the waterway inlet(s).		
5. Raise the aerial ladder to the desired operational position.		
♦6. Engage the aerial ladder locks.		
7. Check the ladder pipe control ropes (If present).		
8. Charge the waterway and operate the fire stream. a. Fog Nozzle: 80 psi (560 kPa) b. Solid Stream Nozzle: 100 psi (700 kPa)		
9. Correctly demonstrates how to manually or remotely rotate the nozzle from side to side.		
10. Correctly demonstrates how to manually or remotely raise and lower the nozzle.		
11. Correctly demonstrates how to manually or remotely adjust the spray pattern of the nozzle.		
12. Shut down the waterway system and stow the aerial device and all associated equipment.		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**9**	**TOTALS**		

Test Date_____ Location:_____

Candidate_____SS#_____

Candidate's Fire Dept._____

Evaluator Signature(S)

PUMPER
DRIVER/OPERATOR

TENNESSEE COMMISSION
ON FIREFIGHTING

PUMPER DRIVER/OPERATOR (PDO)

Skill No: **PDO-1** **Standards: 4.2.1 and 5.1.1** **NFPA 1002, 2009 Edition**	**Primary Task**: Perform routine tests, inspections and servicing functions specified in the following list given a fire department pumper and its manufacturer's specifications, so that the operational status of the pumper is verified.

Performance Outcome: The ability to use hand tools, recognize system problems and correct any deficiency noted according to policies and procedures.

Equipment Required: A fire department pumper, the appropriate equipment to complete the assigned task and appropriate department forms

Task Steps	Pass	Fail
1. Batteries		
2. Braking System		
3. Coolant System		
4. Electrical System		
5. Fuel		
6. Hydraulic Fluids		
7. Oil		
8. Tires		
9. Steering System		
10. Belts		
11. Tools, Appliances and Equipment		
12. Perform a routine inspection on the water tank and other extinguishing agent levels in accordance with departmental procedures and polices		
13. Perform a routine inspection on the pumping system in accordance with departmental procedures and policies		
14. Perform a routine inspection on the foam system in accordance with departmental procedures and policies		
♦15. Candidate shall wear eye protection while performing this task		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**11**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____ SS# _____
Candidate's Fire Dept. _____
Evaluator Signature(s)

TENNESSEE COMMISSION
ON FIREFIGHTING

PUMPER DRIVER/OPERATOR (PDO)

Skill No: PDO-2 **Standards: 4.3.1** **NFPA 1002, 2009 Edition**	**Primary Task**: The fire apparatus driver/operator, given a fire department pumper, shall demonstrate the ability to prepare the pumper to be driven.

Performance Outcome: Preliminary apparatus inspection

Equipment Required: Fire department pumper

Task Steps	Pass	Fail
1. Check and adjust the driver's seat		
2. Check and adjust the vehicle's mirrors		
♦3. Fasten seatbelt PRIOR to placing the pumper in motion		
♦4. Verify that ALL occupants are seated and seatbelts fastened prior to placing the pumper in motion (if applicable)		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**3**	**TOTALS**		

Test Date_____ Location:_____
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TENNESSEE COMMISSION
ON FIREFIGHTING

PUMPER DRIVER/OPERATOR (PDO)

Skill No: PDO-3 **Standards: 4.3.1** **NFPA 1002, 2009 Edition**	**Primary Task**: Operate a fire department pumper over a predetermined route on a public way that incorporates the maneuvers and features specified in the list in 4.3.1 so that the vehicle is safely operated in compliance with all applicable state and local laws, department rules and regulations and the requirements of NFPA 1500, Standard on Fire Department Occupational Safety and Health Programs, Section 4.2.

Performance Outcome: The candidate will safely complete the task operating the department pumper on a predetermined route provided by the candidate's fire department.

Equipment Required: Fire department pumper

Task Steps	Pass	Fail
1. Four left turns		
2. Four right turns		
3. A straight section of urban business street or a two-lane rural road at least one mile in length		
4. One through-intersection and two intersections where a stop has to be made		
5. One railroad crossing		
6. One curve, either left or right		
7. A section of limited-access highway that includes a conventional ramp entrance and exit and a section of road long enough to allow two lane changes		
8. A downgrade steep enough and long enough to require down-shifting and braking		
9. An upgrade steep enough and long enough to require gear changing to maintain speed		
10. One underpass or a low clearance or bridge		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**7**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
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Evaluator Signature

TENNESSEE COMMISSION
ON FIREFIGHTING

PUMPER DRIVER/OPERATOR (PDO)

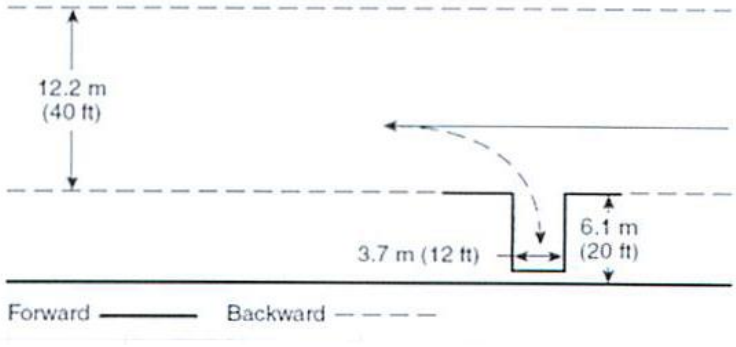
Skill No: PDO-4 **Standards: 4.3.2** **NFPA 1002, 2009 Edition**	**Primary Task**: Perform the practical driving exercises specified in 4.3.2 given a fie department pumper and a spotter for backing, so that each exercise is performed safely without striking the vehicle or any obstructions

Performance Outcome: Back a vehicle from a roadway into restricted spaces on both the right and left sides of the vehicle, given a fire department pumper, a spotter and restricted spaces 12 ft. in width, requiring a 90 degree right hand and left hand turns from the roadway, so that the vehicle is parked within the restricted areas without having to stop and/or pull forward and without striking any obstructions.

Equipment Required: A fire department pumper

Task Steps	Pass	Fail
1. Back the pumper into restricted space on the right side without having to stop and/or pull forward and without striking any obstructions		
2. Back the pumper into restricted space on the left side without having to stop and/or pull forward and without striking any obstructions		
3. Do not allow the pumper to leave the course boundaries		
♦4. Fasten seatbelt PRIOR to placing the pumper in motion		
♦5. Verify that ALL occupants are seated and seatbelts fastened prior to placing the pumper in motion (if applicable)		
♦6. Properly deploys a spotter during the backing process		

Alley Dock Exercise



♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
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Evaluator Signature

TENNESSEE COMMISSION
ON FIREFIGHTING

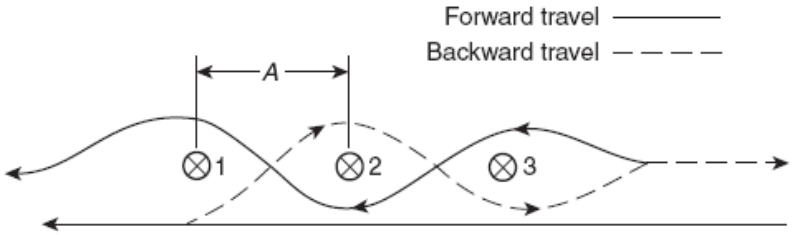
PUMPER DRIVER/OPERATOR (PDO)

Skill No: PDO-5 **Standards: 4.3.3** **NFPA 1002, 2009 Edition**	**Primary Task**: Perform the practical driving exercises specified in 4.3.2 through 4.3.5 given a fire department pumper and a spotter for backing, so that each exercise is performed safely without striking the vehicle or any obstructions

Performance Outcome: Maneuver a fire department pumper around obstructions on a roadway while moving forward and in reverse, given a fire department vehicle, spotter for backing and a roadway for obstructions, so that the vehicle is maneuvered through the obstacle without stopping and/or changing the direction of travel and without striking any obstructions.

Equipment Required: A fire department pumper

Task Steps	Pass	Fail
1. Maneuver the pumper forward around obstructions without stopping and/or changing direction of travel and without striking any obstructions		
2. Maneuver the pumper in reverse around obstructions without stopping and/or changing direction of travel and without striking any obstructions		
3. Do not allow the pumper to leave the course boundaries		
♦4. Fasten seatbelt PRIOR to placing the pumper in motion		
♦5. Verify that ALL occupants are seated and seatbelts fastened prior to placing the pumper in motion (if applicable)		
♦6. Properly deploys a spotter during the backing process		



A: 9 m to 12 m (30 ft to 38 ft) based on vehicle wheel base

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
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Evaluator Signature

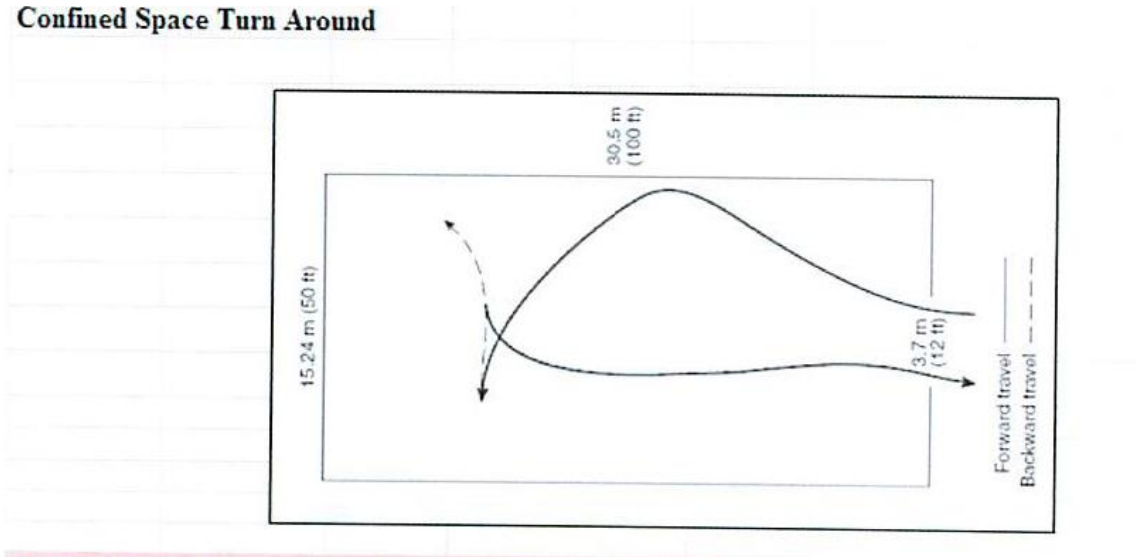
TENNESSEE COMMISSION
ON FIREFIGHTING

PUMPER DRIVER/OPERATOR (PDO)

Skill No: **PDO-6** **Standards: 4.3.4** **NFPA 1002, 2009 Edition**	**Primary Task**: Perform the practical driving exercises specified in 4.3.2 through 4.3.5 given a fire department pumper and a spotter for backing, so that each exercise is performed safely without striking the vehicle or any obstructions.

Performance Outcome: Turn a fire department vehicle 180 degrees within a confined space, given by a fire department vehicle, a spotter for backing and an area in which the vehicle cannot perform a U-turn without stopping and backing up, so that the vehicle is turned 180 degrees without striking any obstructions within the given space.

Equipment Required: A fire department pumper

Task Steps	Pass	Fail
1. Turn the pumper 180 degrees within a confined space, without striking obstructions		
2. Do not allow the pumper to leave course boundaries		
♦3. Fasten seatbelt PRIOR to placing the pumper in motion		
♦4. Verify that ALL occupants are seated and seatbelts fastened prior to placing the pumper in motion (if applicable)		
♦5. Properly deploys a spotter during the backing process		
Confined Space Turn Around  		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**4**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
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Evaluator Signature

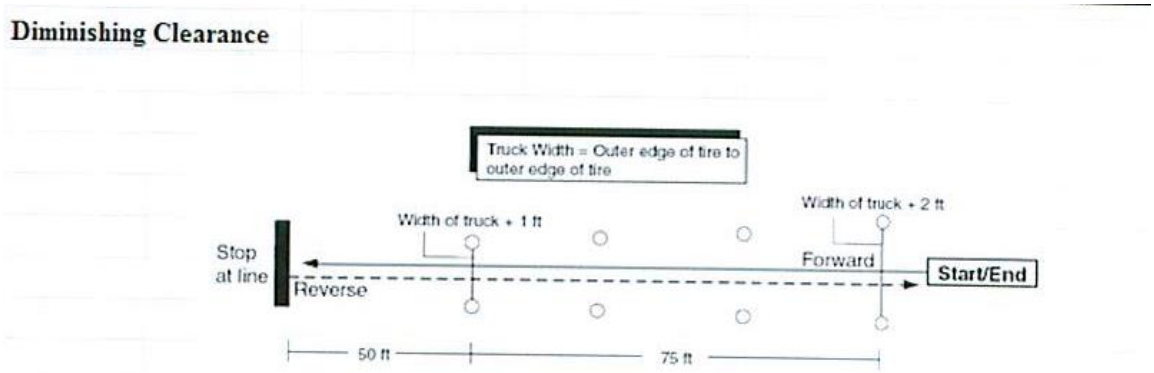
TENNESSEE COMMISSION
ON FIREFIGHTING

PUMPER DRIVER/OPERATOR (PDO)

Skill No: PDO-7 **Standards: 4.3.5** **NFPA 1002, 2009 Edition**	**Primary Task**: Perform the practical driving exercises in specified 4.3.2 through 4.3.5 given a fire department pumper and a spotter for backing, so that each exercise is performed safely without striking the vehicle or any obstruction.

Performance Outcome: Maneuver a fire department vehicle in areas with restricted horizontal and vertical clearances, given a fire department vehicle and a course that requires the operator to move forward through areas of restricted horizontal and vertical clearances, so that the operator accurately judges the ability of the vehicle to pass through the openings and so that no obstructions are struck.

Equipment Required: Fire department pumper

Task Steps	**Pass**	**Fail**
1. Maneuver the pumper forward through the diminishing clearance exercise without striking any obstructions		
2. Do not allow the pumper to cross over the finishing line		
♦3. Fasten seatbelt PRIOR to placing the pumper in motion		
♦4. Verify that ALL occupants are seated and seatbelts fastened prior to placing the pumper in motion (if applicable)		
♦5. Properly deploys a spotter during the backing process		
		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**4**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature

TENNESSEE COMMISSION
ON FIREFIGHTING

PUMPER DRIVER/OPERATOR (PDO)

Skill No: PDO-8 **Standards: 5.2.1** **NFPA 1002, 2009 Edition**	**Primary Task**: The fire apparatus driver/operator, given a fire department pumper, shall demonstrate placing the pump in service for pumping operations.

Performance Outcome: The driver/operator shall safely and efficiently complete all in cab procedures.

Equipment Required: Fire department pumper equipped with wheel chocks

Task Steps	Pass	Fail
1. Bring the apparatus to a full stop and allow the engine to slow to idle speed		
2. Shift the transmission to neutral and set the brake		
3. Depress the brake pedal and engage the pump shift switch and lock		
4. Shift the transmission into pump gear		
♦5. Properly position wheel chocks		
6. Open water tank to pump valve		
7. Describe manual pump engagement procedures		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**6**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature

TENNESSEE COMMISSION
ON FIREFIGHTING

PUMPER DRIVER/OPERATOR (PDO)

Skill No: PDO-9 **Standards: 5.2.1** **NFPA 1002, 2009 Edition**	**Primary Task**: Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.

Performance Outcome: The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations (from the internal tank) for supplying a pre-connected attack line, given one _____ inch attack line. _____feet in length with a _____nozzle being will produce an effective fire stream and calculate the correct discharge pressure

_____

Equipment Required: Fire department pumper and equipment determined by evaluators

Task Steps	Pass	Fail
1. Open the water tank to pump valve fully		
2. Place the transfer valve in ***volume/pressure*** (if applicable)		
3. Open the correct discharge valve		
4. Adjust the throttle to the correct discharge pressure (prime if necessary)		
♦5. Set the pressure control device to the operating pressure		
6. Monitor system for overheating		
7. Operate auxiliary cooling system (if applicable)		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature

TENNESSEE COMMISSION
ON FIREFIGHTING

PUMPER DRIVER/OPERATOR (PDO)

Skill No: PDO-10 **Standards: 5.2.1** **NFPA 1002, 2009 Edition**	**Primary Task**: Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.

Performance Outcome: The driver/operator will perform a transfer from internal tank to external source (hydrant)

Equipment Required: Fire department pumper, hydrant and all equipment needed to make the connection

Task Steps	Pass	Fail
1. Signal to have hydrant opened (evaluator will open hydrant)		
2. Maintain constant discharge pressure		
♦3. Reset pressure control device		
4. Fill apparatus booster tank		
5. Close tank to pump		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**4**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature

TENNESSEE COMMISSION
ON FIREFIGHTING

PUMPER DRIVER/OPERATOR
(PDO)

Skill No: PDO-11 **Standards: 5.2.1** **NFPA 1002, 2009 Edition**	**Primary Task**: Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.

Performance Outcome: The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations for a supplying multiple hose lines.

Driver/operator is operating off a pressurized water source with attack line flowing
.
Hose-line number 2. The driver/operator, given additional _____ inches hose-lines_____ feet in length, _____ inch nozzle, and a master stream device must show an effective fire stream and calculate the correct pump discharge pressure.

Equipment Required: Fire department pumper, hydrant and all equipment needed

Task Steps	Pass	Fail
1. Identify static pressure_____ psi.		
2. Place the transfer valve in pressure/volume (if applicable)		
3. Maintain correct pump discharge pressure (hose-line #1)		
4. Adjust throttle to correct pump discharge pressure (hose-line #2) (master stream device)		
5. Adjust throttle to correct pump discharge pressure (hose-line #3) to master stream device		
♦6. Set pressure control device		
7. Identify residual pressure _____ psi		
8. Monitor system for overheating		
9. Operate auxiliary cooling systems (if applicable)		
10. Identify the number of equal lines or additional gpm that could be added		
11. Identify possible problems that may occur if residual pressure drops below 20 psi		
12. Identify action to be taken		
13. Demonstrate shut down procedures		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**10**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature

TENNESSEE COMMISSION
ON FIREFIGHTING

PUMPER DRIVER/OPERATOR (PDO)

Skill No: PDO-12 **Standards: 5.2.3** **NFPA 1002, 2009 Edition**	**Primary Task**: Produce a foam fire stream, given foam producing equipment, so that properly proportioned foam is provided.

Performance Outcome: The driver/operator, given foam and foam producing equipment, shall demonstrate the ability to operate foam proportioning equipment, connect foam stream equipment and produce an effective fire stream supplied with foam.

Equipment Required: A supply of Class A or B type foam concentrate or substitute. Inline eductor, fog nozzle, foam nozzle

Task Steps	Pass	Fail
♦1. Identify type of foam producing equipment being utilized		
2. Prepare foam producing equipment for operation		
3. Adjust throttle to current pump discharge pressure for foam producing equipment being utilized		
♦4. Identify correct foam concentration for a specific type fire, to be determined by the evaluator		
5. Produce an effective foam supplied fire stream		
♦6. Identify limitations of foam type being utilized		
♦7. Demonstrate shut down procedures		
♦8. Identify proper cleaning or flushing procedures for equipment utilized, per the manufacturer's recommendations		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**6**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature

TENNESSEE COMMISSION
ON FIREFIGHTING

PUMPER DRIVER/OPERATOR (PDO)

Skill No: PDO-13 **Standards: 5.2.4** **NFPA 1002, 2009 Edition**	**Primary Task**: Supply water to fire sprinkler and standpipe systems so that water is supplied to the system at the correct volume and pressure.

Performance Outcome: Supply water to fire sprinkler and standpipe systems, given specific system information and a fire department pumper, so that water is supplied to the system at the correct volume and pressure.

Equipment Required: Fire sprinkler and standpipe system, fire department pumper

Task Steps	Pass	Fail
1. Correctly hook into standpipe or sprinkler connection		
2. Place the transfer valve in *volume/pressure* (if applicable)		
3. Open the correct discharge valve		
4. Adjust the throttle to the correct discharge pressure (prime if necessary)		
♦5. Set the pressure control device to the operating pressure		
6. Monitor system for overheating		
7. Operate auxiliary cooling systems (if applicable)		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature

TENNESSEE COMMISSION
ON FIREFIGHTING

PUMPER DRIVER/OPERATOR (PDO)

Skill No: PDO-14 **Standards: 5.2.1 and 5.2.2** **NFPA 1002, 2009 Edition**	**Primary Task**: Pump a supply line of 2 ½ inches or larger, given a relay pumping evolution the length and size of the line and the desired flow and intake pressure, so that the proper pressure and flow are provided to the next pumper in the relay.

Performance Outcome: The driver/operator, given a static water source with two 10 inch sections of hard suction connected to a fire department pumper, relay water use two _____ inch supply lines _____ feet in length to a fire department attack pumper.

Equipment Required: A fire department pumper, hard suction, supply hose

Task Steps	Pass	Fail
1. Identify the source and attack pumper		
2. Identify the minimum water level of the static source		
3. Identify the maximum lift at the test site		
4. Identify the maximum priming time of the source pumper		
5. Prime the pump		
6. Identify problems associated with a failure to prime the pump		
7. Communications with the attack pumper		
8. Open the correct discharge valve		
9. Adjust the throttle to the correct discharge pressure _____psi		
♦10. Set pressure control device		
11. Maintain pump prime without flow interruptions to attack pumper		
12. Monitor systems for overheating. Operate auxiliary cooling system if needed		
13. Demonstrate shut down procedures		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**10**	**TOTALS**		

Test Date_____ Location:_____
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TENNESSEE COMMISSION
ON FIREFIGHTING

PUMPER DRIVER/OPERATOR (PDO)

Skill No: PDO-15 **Standards: 5.2.1** **NFPA 1002, 2009 Edition**	**Primary Task**: The fire apparatus driver/operator, given a fire department pumper, shall demonstrate restoring the pump to service for pumping operations

Performance Outcome: The driver/operator, given a fire department pumper, shall demonstrate the procedure for restoring the pumper to service

Equipment Required: Fire department pumper

Task Steps	Pass	Fail
♦1. Ensure that the apparatus water tank is full		
2. Reset pressure control devices		
3. Shift the transmission into neutral, allowing it to return to idle speed before disengaging the the pump shift switch		
4. Open the pump drain (if applicable)		
5. Load and secure all equipment		
6. Secure compartment doors		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

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Evaluator Signature

FIRE APPARATUS OPERATOR

TENNESSEE COMMISSION
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FIRE APPARATUS OPERATOR (FAO)

Skill No. FAO-1 **Standard: 4.2.1** **NFPA 1002 2009 Edition**	**Primary Task**: Perform routine tests, inspections and servicing functions specified in the following list given a fire department aerial apparatus and its manufacturer's specifications, so that the operational status of the pumper is verified

Performance Outcome: The ability to use hand tools, recognize system problems and correct any deficiency noted according to policies and procedures.

Equipment Required: A fire department aerial apparatus, the appropriate equipment to complete the assigned task and appropriate department forms

Task Steps	Pass	Fail
1. Batteries		
2. Braking system		
3. Coolant system		
4. Electrical system		
5. Fuel		
6. Hydraulic fluid		
7. Oil		
8. Tires		
9. Steering system		
10. Belts		
11. Tools, appliances and equipment		
12. Stabilizing systems		
13. Inspect turntable assembly		
14. Inspect aerial device communication system		
15. Inspect aerial device extension/retracting system		
16. Inspect elevation/lifting cylinders		
17. Inspect the aerial ladder sections (fly, mid(s)) base		
18. Inspect aerial waterway and nozzle position		
19. Inspect equipment attached to any portion of the aerial device or ladder sections		
♦20. The candidate shall wear eye protection while performing this test		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**14**	**TOTALS**		

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FIRE APPARATUS OPERATOR (FAO)

Skill No. FAO-2 **Standard: 4.3.1** **NFPA 1002 2009 Edition**	**Primary Task**: The fire apparatus driver/operator, given a fire department aerial **OR** pumper apparatus, shall demonstrate the ability to prepare the aerial apparatus to be driven.

Performance Outcome: Preliminary apparatus inspection

Equipment Required: Fire department aerial apparatus

Task Steps	Pass	Fail
1. Check and adjust the driver's seat		
2. Check and adjust the vehicle's mirrors		
♦3. Fasten seatbelts PRIOR to placing the aerial apparatus in motion		
♦4. Verify that ALL occupants are seated and seatbelts fastened prior to placing the aerial apparatus in motion		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective	**Total steps candidate must complete to pass:**	**3**	**TOTALS**		

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TENNESSEE COMMISSION
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FIRE APPARATUS OPERATOR (FAO)

Skill No. FAO-3 **Standard: 4.3.1** **NFPA 1002 2009 Edition**	**Primary Task**: Operate a fire department aerial OR pumper apparatus over a predetermined route on a public way that incorporates the maneuvers and features specified in the list in 4.3.1 so that the vehicle is safely operated in compliance with all applicable state and local laws, department rules and regulations, and the requirements of NFPA 1500. Standard on Fire Department Occupational Safety and Health Programs. Section 4.2

Performance Outcome: The candidate will safely complete the task operating the department aerial apparatus on a predetermined route provided by the host fire department.

Equipment Required: A fully-equipped fire department aerial apparatus

Task Steps	Pass	Fail
1. Four left turns		
2. Four right turns		
3. A straight section of urban business street or a two-lane rural road at least one mile in length		
4. One through intersection and two intersections where a stop has to be made		
5. One railroad crossing		
6. One curve, either left or right		
7. A section of limited-access highway that includes a conventional ramp entrance and exit and a section of road long to allow two lane changes		
8. A down-grade steep enough and long enough to require down-shifting and braking		
9. An upgrade steep enough and long enough to require gear changing to maintain speed		
10. One underpass or a low clearance or bridge		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective	**Total steps candidate must complete to pass:**	**7**	**TOTALS**		

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TENNESSEE COMMISSION
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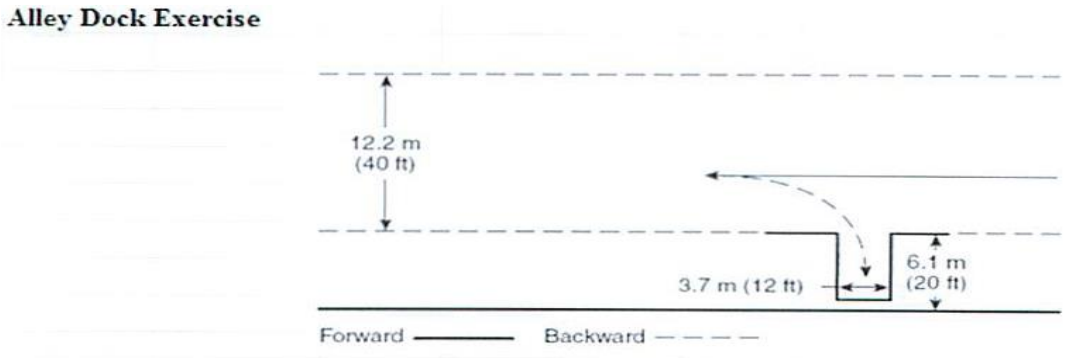
FIRE APPARATUS OPERATOR (FAO)

Skill No. FAO-4 **Standard: 4.3.2** **NFPA 1002 2009 Edition**	**Primary Task**: Perform the practical driving exercises specified in 4.3.2 through 4.3.5 given a fire department aerial OR pumper apparatus and a spotter for backing so that each exercise is performed safely without, striking the vehicle or any obstructions

Performance Outcome: Back a vehicle from a roadway into restricted spaces on both the right and left sides of the vehicle, given a fire department aerial apparatus, spotter and restricted spaces 12 feet in width requiring a 90 degree right hand and left hand turns from the roadway, so that the vehicle is parked within the restricted area, without having to stop and/or pull forward and without striking any obstructions

Equipment Required: A fire department aerial apparatus

Task Steps	Pass	Fail
1. Back the aerial apparatus into restricted space on the right side without having to stop and/or pull forward and without striking an obstruction		
2. Back the aerial apparatus into restricted space on the left side without having to stop and/or pull forward and without striking any obstructions		
3. Do not allow the aerial apparatus to leave the course boundaries		
♦4. Fasten seatbelts PRIOR to placing the aerial apparatus in motion		
♦5. Verify that ALL occupants are seated and seatbelts fastened prior to placing the aerial apparatus in motion		
♦6. Properly deploys a spotter during the backing process		
		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

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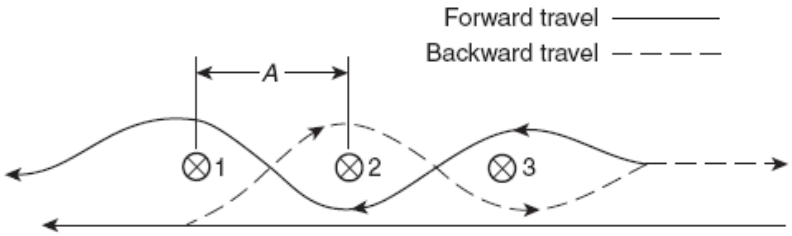
FIRE APPARATUS OPERATOR (FAO)

Skill No. FAO-5 **Standard: 4.3.3** **NFPA 1002 2009 Edition**	**Primary Task**: Perform the practical driving exercises specified in 4.3.2 through 4.3.5 given a fie department pumper OR aerial apparatus and a spotter for backing so that each exercise is performed safely without striking the vehicle or any obstructions

Performance Outcome: Maneuver a fire department aerial apparatus around obstructions on a roadway while moving forward and in reverse, given a fire department vehicle, spotter for backing and a roadway for obstructions so that the vehicle is maneuvered through the obstacle without stopping and/or changing the direction of travel and without striking any obstructions

Equipment Required: A fully-equipped fire department aerial apparatus

Task Steps	Pass	Fail
1. Maneuver the aerial apparatus forward around obstructions without stopping and/or changing direction of travel and without striking any obstructions		
2. Maneuver the aerial apparatus in reverse around obstructions without stopping and/or changing direction of travel and without striking any obstructions		
3. Do not allow the aerial apparatus to leave the course boundaries		
♦4. Fasten seatbelt PRIOR to placing the aerial apparatus in motion		
♦5. Verify that ALL occupants are seated and seatbelts fastened prior to placing the aerial apparatus in motion		
♦6. Properly deploys a spotter during the backing process		



A: 9 m to 12 m (30 ft to 38 ft) based on vehicle wheel base

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

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FIRE APPARATUS OPERATOR (FAO)

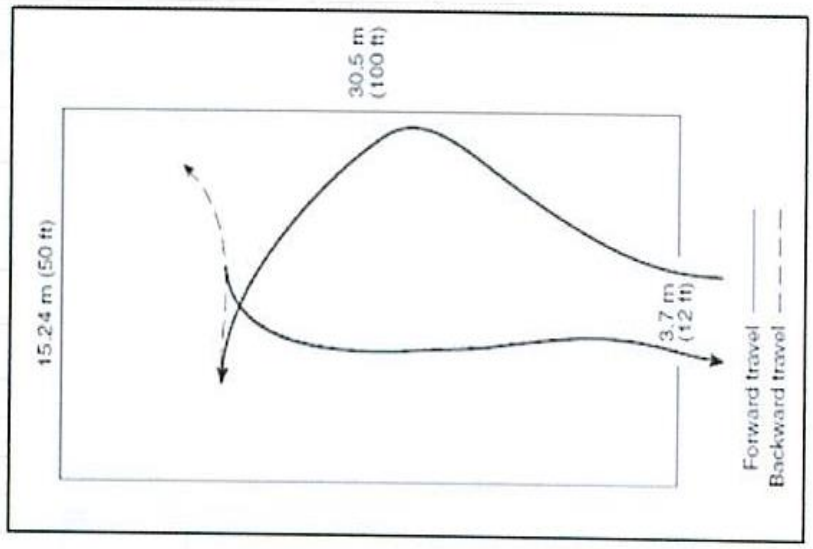
Skill No. FAO-6 **Standard: 4.3.4** **NFPA 1002 2009 Edition**	**Primary Task**: Perform the practical driving exercises specified in 4.3.2 through 4.3.5 given a fire department pumper OR aerial apparatus and a spotter for backing so that each exercise is performed safely without striking the vehicle or any obstructions.

Performance Outcome: Turn a fire department vehicle 180 degrees within a confined space, given a fire department vehicle, a spotter for backing and an area in which the vehicle cannot perform a U-turn without stopping and backing up, so that the vehicle is turned 180 degrees without striking any obstructions within the given space.

Equipment Required: A fully-equipped fire department aerial apparatus

Task Steps	Pass	Fail
1. Turn the aerial apparatus 180 degrees within a confined space without striking obstructions		
2. Do not allow the aerial apparatus to leave course boundaries		
♦3. Fasten seatbelt PRIOR to placing the aerial apparatus in motion		
♦4. Verify that ALL occupants are seated and seatbelts fastened prior to placing the aerial apparatus in motion		
♦5. Properly deploys a spotter during the backing process		

Confined Space Turn Around



♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**4**	**TOTALS**		

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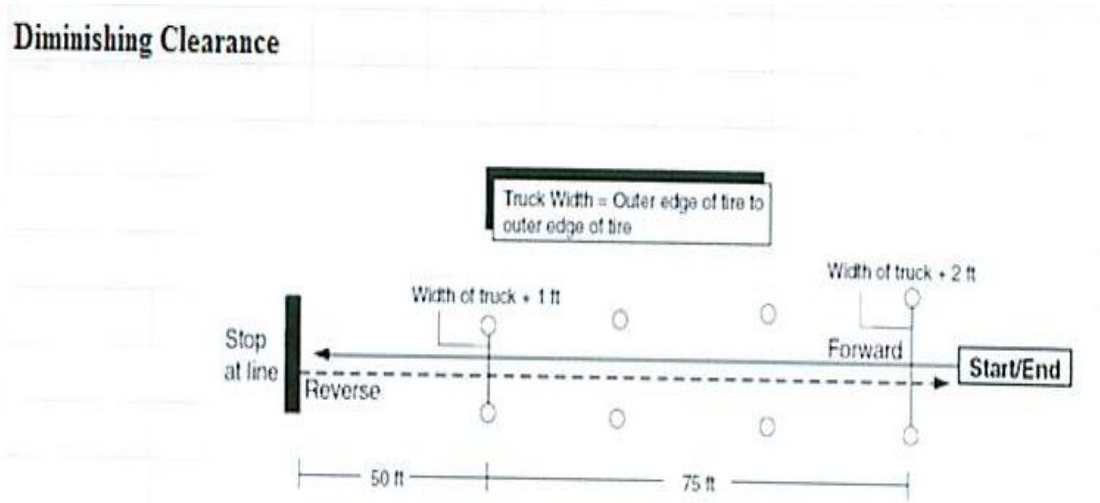
FIRE APPARATUS OPERATOR (FAO)

Skill No: **FAO-7** **Standard: 4.3.5** NFPA 1002 2009 Edition	**Primary Task**: Perform the practical driving exercises specified in 4.3.2 through 4.3.5 given a fire department pumper OR aerial apparatus and a spotter for backing, so that each exercise is performed safely without striking the vehicle or any obstructions

Performance Outcome: Maneuver a fire department vehicle in areas with restricted horizontal and vertical clearances, given a fire department vehicle and a course that requires the operator to move forward through areas of restricted horizontal and vertical clearances, so that the operator accurately judges the ability of the vehicle to pass through the openings and so that no obstructions are struck

Equipment Required: A fully-equipped fire department aerial apparatus

Task Steps	Pass	Fail
1. Maneuver the aerial apparatus forward through the diminishing clearance exercise without striking any obstructions		
2. Do not allow the aerial apparatus to cross over the finishing line		
♦3. Fasten seatbelt PRIOR to placing the aerial apparatus in motion		
♦4. Verify that ALL occupants are seated and seatbelts fastened prior to placing the aerial apparatus in motion.		
♦5. Properly deploys a spotter during the backing process		
		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**4**	**TOTALS**		

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FIRE APPARATUS OPERATOR (FAO)

Skill No.: **FAO-8** **Standard: 6.1.1** **NFPA 1002 2009 Edition**	**Primary Task**: Perform routine tests, inspections and servicing functions specified in the following list in addition to those specified in 4.2.1

Performance Outcome: The ability to perform routine test, inspections and servicing functions in addition to those specified in 4.2.1 while following all manufacture and local jurisdictions policies and procedures

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and appropriate department forms

Task Steps	Pass	Fail1.
1. Cable systems (if applicable)		
2. Aerial device hydraulic systems		
3. Slides and rollers		
4. Stabilizing systems		
5. Aerial device safety systems		
6. Breathing air systems		
7. Communication systems		

♦***Critical Step*** - Failure on this step mandate failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

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FIRE APPARATUS OPERATOR (FAO)

Skill No.: **FAO-9** **Standard: 6.2.2** **NFPA 1002 2009 Edition**	**Primary Task**: Stabilize an aerial apparatus given a properly positioned vehicle and the manufacturer's recommendations so the power can be transferred to the aerial device hydraulic system and the device can be safely deployed.

Performance Outcome. The ability to transfer power from the vehicles engine to the hydraulic system and operate vehicle stabilization devices

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and appropriate department forms

Task Steps	Pass	Fail
1. Ensure the apparatus placement in appropriate for the assigned task		
2. Set the parking brake		
3. Place transmission selector in the appropriate gear recommended by the manufacturer		
4. Activate the PTO system		
5. Place the transmission selector in the appropriate gear recommended by the manufacturer for the assigned task		
♦6. Check for overhead obstructions and ensure proper apparatus placement		
♦7. Dons full personal protective equipment		
♦8. Chock both in front of and behind the tire of the appropriate wheel(s) on both sides of the apparatus (based on manufacturer's recommendation)		
9. Check the expected travel path of the stabilizers for obstructions and/or limiting factors		
10. Check the ground surface for stability and proper conditions		
11. Deploy and properly place the stabilizer ground pads		
12. Properly deploy the stabilizers		
13. Raise the apparatus to its working position, as close to level as possible		
14. Lock the stabilizers by manufacturer's recommendations (holding valves, interlock feature safety pins or combination of features)		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**10**	**TOTALS**		

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TENNESSEE COMMISSION
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FIRE APPARATUS OPERATOR (FAO)

Skill No. **FAO-10** **Standard: 6.2.3** **NFPA 1002 2009 Edition**	**Primary Task**: Maneuver and position the aerial device from each control station, given an incident location, a situation description, and an assignment, so that the aerial device is properly positioned to safely accomplish the assignment

Performance Outcome: The ability to raise, rotate, extend and position to a specified location and the ability to lock, unlock, retract, lower and bed the aerial device. The aerial apparatus operator will properly raise and position the aerial device to perform window ventilation from the _____ window from the left/right of the _____ floor of a multiple story building on the _____ side. The wind is out of the _____ at _____ mph.

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and appropriate department forms

Task Steps	Pass	Fail
1. Ensure all safety devices are in place and are properly used by the operator		
♦2. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.		
3. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target		
4. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is inline with the intended target (to the upwind side)		
5. Extend the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target		
6. Lower the aerial device to the objective (slightly above the window)		
7. Align aerial device ladder rungs		
8. Refers to aerial load chart for proper ladder and tip loads		
9. Clears firefighters to safely climb the aerial ladder		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective.	**Total steps candidate must complete to pass:**	**7**	**TOTALS**		

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TENNESSEE COMMISSION
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FIRE APPARATUS OPERATOR (FAO)

Skill No. FAO-11 **Standards: 6.2.4** **NFPA 1002 2009 Edition**	**Primary Task**: After raising aerial in accordance with 6.2.3, firefighter will lower aerial, using the emergency operating system, so that the aerial is lowered to its bedded position.

Performance Outcome: The ability to raise the aerial in accordance with 6.2.3. The operator will lower the aerial to the bedded position using the emergency operating system. The operator will adhere to the manufactures guidelines and adhere to all departmental policies and procedures

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and appropriate department forms

Task Steps	Pass	Fail
1. Ensure all safety devices are in place and are properly used by the operator		
♦2. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.)		
3. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target		
4. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is in-line with the intended target (to the upwind side)		
5. Extended the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target		
6. Lower the aerial device to the objective (slightly above the window)		
7. Align aerial device ladder rungs		
8. Refers to aerial load chart for proper ladder and tip loads		
9. Lowers aerial to bedded position using emergency operating systems		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**7**	**TOTALS**		

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TENNESSEE COMMISSION
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FIRE APPARATUS OPERATOR (FAO)

Skill No: **FAO-12** **Standards: 6.2.5** **NFPA 1002 2009 Edition**	**Primary Task**: Deploy and operate an elevated master stream, given a master stream device and a desired flow, so that the stream in effective and the device is operated safely

Performance Outcome: The ability to connect a water supply to a master stream device and control an elevated nozzle remotely during a fire attack

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and appropriate department forms

Task Steps	Pass	Fail
1. Ensure all safety devices are in place and are properly used by the operator		
♦2. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.)		
3. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target		
4. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is in-line with the intended target		
5. Extended the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target		
6. Position proper nozzle placement for the assigned task (straight stream pattern)		
7. Adjust nozzle angle for the assigned task (inside window toward ceiling)		
8. Notifies engineer to turn off water to aerial ladder		
9. Returns the nozzle to proper position for storage		
10. Retract, rotate and lower aerial device		
11. Properly bed the aerial device		
12. Close water supply and disconnect water supply from the fire apparatus		
13. Opens waterway drain and drains waterway pipe completely prior to repositioning the Ladder		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**10**	**TOTALS**		

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TENNESSEE COMMISSION
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FIRE APPARATUS OPERATOR (FAO)

Skill No: **FAO-13** **Standards: 6.2.5** **NFPA 1002, 2009**	**Primary Task**: Deploy and operate an elevated master stream given a master stream device and a desired flow, so that the stream is effective and the device is operated safely

Performance Outcome: The ability to connect a water supply to a master stream device and control an elevated nozzle manually or remotely. The aerial apparatus operator will first explain and demonstrate the proper procedures to manually operate the nozzle on the waterway. After connecting an adequate water supply, the aerial operator will demonstrate the proper procedures to safely raise the aerial device and position the waterway to flow _____ gpm using a _____ inch smooth bore nozzle/fog nozzle, to the _____ floor window on the _____side of the building for an offensive/defensive firefighting mode. The aerial operator must calculate and flow the correct pump pressure for the situation described.

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies and procedures

Task Steps	Pass	Fail
1. Connect an adequate water supply to the proper water inlet (as per department SOPs and manufacturer's specifications)		
2. Ensure all safety devices are in place and are properly used by the operator		
♦3. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.)		
4. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target.		
5. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is in line with the intended target		
6. Extend the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target		
7. Position proper nozzle placement for the assigned task (straight stream pattern)		
8. Adjust nozzle angle for the assigned task (inside window toward ceiling)		
9. Refers to aerial load chart for proper ladder and tip loads		
10. Smoothly opens waterway discharge valve with minimal stress and movement of the aerial device and waterway		
11. Discharges the correct gpm for the assigned task at _____ psi pump pressure		
12. Smoothly closes the waterway discharge valve with minimal stress and movement of the aerial device and waterway		
13. Disengages pump		
14. Close water supply and disconnect water supply from fire apparatus		
Skills Continued On Next Page		

SKILL FA0-13 CONTINUED

15. Opens waterway drain and drains waterway pipe completely prior to repositioning the ladder					
16. Returns the nozzle to proper position for storage					
17. Retract, rotate and lower aerial device					
18. Properly bed the aerial device					
♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**13**	**TOTALS**		

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FIRE APPARATUS OPERATOR (FAO)

Skill No: **FAO-14** **Standards: 6.2.5** **NFPA 1002 2009**	**Primary Task**: Deploy and operate an elevated master stream, given a master stream device and a desired flow, so that the stream is effective and the device is operated safely

Performance Outcome: The ability to connect a water supply to a master stream device and control an elevated nozzle manually or remotely. The aerial apparatus operator will first explain and demonstrate the proper procedures to manually operate the nozzle on the waterway. After connecting an adequate water supply, the aerial operator will demonstrate the proper procedures to safely raise the aerial device and position the waterway to flow _____ gpm using a _____ inch smooth bore nozzle/fog nozzle, _____ feet in elevation with the ladder extended to _____ feet in a defensive firefighting mode. The aerial operator must calculate and flow the correct pump pressure for the situation described.

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies and procedures

Task Steps	Pass	Fail
1. Connect an adequate water supply to the proper water inlet (as per department SOPs and manufacturer's specifications)		
2. Ensure all safety devices are in place and are properly used by the operator		
♦3. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.)		
4. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target		
5. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is in line with the intended target		
6. Extend the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target		
7. Position proper nozzle placement for the assigned task (wide fog pattern)		
8. Adjust nozzle angle for the assigned task (between windows)		
9. Refers to aerial load chart for proper ladder and tip loads		
10. Smoothly opens waterway discharge valve with minimal stress and movement of the aerial device and waterway		
11. Discharges the correct gpm for the assigned task at _____ psi pump pressure		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**8**	**TOTALS**		

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FIRE APPARATUS OPERATOR (FAO)

Skill No. **FAO-15** **Standard: 6.2.5** **NFPA 1002 2009 Edition**	**Primary Task**: Deploy and operate an elevated master stream, given a master stream device and a desired flow, so that the stream is effective and the device is operated safely

Performance Outcome: The ability to connect a water supply to a master stream device and control an elevated nozzle manually or remotely. The aerial apparatus operator will first explain and demonstrate the proper procedures to manually operate the nozzle on the waterway. After connecting an adequate water supply, the aerial operator will demonstrate the proper procedures to safely raise the aerial device and position the waterway.

Equipment Required: A fully equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies and procedures

Task Steps	Pass	Fail
1. Connect an adequate water supply to the proper water inlet		
2. Ensure all safety devices are in place and are properly used by the operator		
♦3. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.)		
4. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application in the desired height for the intended target		
5. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is in line with the intended target		
6. Extend the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target		
7. Position proper nozzle placement for the assigned task (wide fog pattern)		
8. Adjust nozzle angle for the assigned task (between windows)		
9. Refers to aerial load chart for proper ladder and tip loads		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective	**Total steps candidate must complete to pass:**	**7**	**TOTALS**		

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Candidate_____SS#_____
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Evaluator Signature(s)

TENNESSEE COMMISSION
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FIRE APPARATUS OPERATOR (FAO)

Skill No. **FAO-16** **Standard: 6.2.5** **NFPA 1002 2009 Edition**	**Primary Task**: Deploy and operate a foam elevated master stream given a foam-capable master stream device and a desired flow so that the stream is effective and the device is operated safely

Performance Outcome: The ability to supply foam to a master stream device and control an elevated nozzle manually or remotely. The candidate shall demonstrate the ability to operate foam producing equipment, connect foam stream equipment and produce an effective elevated fire stream supplied with foam.

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies and procedures

Task Steps	Pass	Fail
1. Ensure all safety devices are in place and are properly used by the operator		
♦2. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.)		
3. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target		
4. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is in line with the intended target		
5. Extend the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target		
6. Position proper nozzle placement for the assigned task (wide fog pattern)		
♦7. Identify type of foam-producing equipment being utilized		
8. Prepare foam-producing equipment for operation		
9. Adjust throttle to correct pump discharge pressure for foam-producing equipment being Utilized		
♦10. Identify correct foam concentration for a specific type fire, to be determined by the Evaluator		
11. Produce an effective foam-supplied fire stream		
♦12. Identify limitations of foam type being utilized		
♦13. Demonstrate shut down procedures		
♦14. Identify proper cleaning or flushing procedures for equipment utilized, per the manufacturer's recommendations		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective	**Total steps candidate must complete to pass:**	**10**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
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Evaluator Signature(s)

TENNESSEE COMMISSION
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FIRE APPARATUS OPERATOR (FAO)

Skill No. FAO-**17** **Standard: 6.2.5** **NFPA 1002 2009 Edition**	**Primary Task**: **Deploy and operate an elevated master stream, given an aerial device, a master stream device and a desired flow so that the stream is effective and the aerial and master stream devices are operated correctly.**

Performance Outcome: **– The ability to connect a water supply to a master stream device and control an elevated nozzle manually or remotely.**

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies and procedures

THE CANDIDATE MUST COMPLETE EITHER TASK 1 OR TASK 2

Task Steps AERIAL LADDERS WITH A DETACHABLE LADDER PIPE NOZZLE	Pass	Fail
1. Position the Apparatus		
2. Transfer power from the drive train to the aerial device hydraulic system.		
♦3. Set the stabilizers		
4. Prepare the ladder pipe for attachment to the aerial ladder. b. Fog Nozzle: Set for appropriate fire stream and flow rate as applicable. c. Solid Stream Nozzle: Place appropriate nozzle tip on end of nozzle.		
♦5. Attach the ladder pipe and hose to the aerial ladder.		
♦6. Attach supply hose to aerial ladder, running hose down the center of the ladder and lashing the hose to the ladder once every 15 to 20 feet (4m to 6m).		
7. Attach a siamese appliance to the opposite end of the ladder pipe supply hose.		
8. Attach a supply hose to the siamese.		
9. Raise the aerial ladder to the desired operational position.		
10. Engage the aerial ladder locks (If present).		
11. Check the ladder pipe controls.		
12. Charge the ladder pipe supply hose and operate the fire stream. a. Fog Nozzle: 80 psi (560 kPa) b. Solid Stream Nozzle: 100 psi (700 kPa)		
13. Correctly demonstrate how to manually or remotely rotate the nozzle from side to side.		
14. Correctly demonstrate how to manually or remotely raise and lower the nozzle.		
15. Correctly demonstrate how to manually or remotely adjust the spray pattern of the nozzle.		
16. Shut down the ladder pipe operation and stow the aerial device and all associated equipment.		
SKILL FAO-17 CONTINUED ON NEXT PAGE WITH TASK 2		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective	**Total steps candidate must complete to pass:**	**12**	**TOTALS**		

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SKILL FA0-17 CONTINUED

TASK 2

AERIAL LADDERS WITH FIXED WATERWAY SYSTEMS

TASK STEPS	PASS	FAIL
1. Position the apparatus.		
2. Transfer power from the drive train to the aerial device hydraulic system.		
♦3. Set the stabilizers		
4. Establish a water supply to the aerial ladder waterway system a. Quint supplying master stream from onboard water: Attach a large-diameter supply hose or multiple medium-diameter supply hoses from a pumper or hydrant to the pump intake on the aerial apparatus. b. Pumper supplying master stream: Attach a large-diameter supply hose or multiple medium-diameter supply hoses from a pumper to the waterway inlet(s).		
5. Raise the aerial ladder to the desired operational position.		
♦6. Engage the aerial ladder locks.		
7. Check the ladder pipe control ropes (If present).		
8. Charge the waterway and operate the fire stream. a. Fog Nozzle: 80 psi (560 kPa) b. Solid Stream Nozzle: 100 psi (700 kPa)		
9. Correctly demonstrates how to manually or remotely rotate the nozzle from side to side.		
10. Correctly demonstrates how to manually or remotely raise and lower the nozzle.		
11. Correctly demonstrates how to manually or remotely adjust the spray pattern of the nozzle.		
12. Shut down the waterway system and stow the aerial device and all associated equipment.		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**9**	**TOTALS**		

Test Date_____ Location:_____

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FIRE APPARATUS OPERATOR (FAO)

Skill No: **FAO-18** **Standards: 4.2.1 and 5.1.1** **NFPA 1002, 2009 Edition**	**Primary Task**: Perform routine tests, inspections and servicing functions specified in the following list given a fire department pumper and its manufacturer's specifications, so that the operational status of the pumper is verified.

Performance Outcome: The ability to use hand tools, recognize system problems and correct any deficiency noted according to policies and procedures.

Equipment Required: A fire department pumper, the appropriate equipment to complete the assigned task and appropriate department forms

Task Steps	Pass	Fail
1. Batteries		
2. Braking System		
3. Coolant System		
4. Electrical System		
5. Fuel		
6. Hydraulic Fluids		
7. Oil		
8. Tires		
9. Steering System		
10. Belts		
11. Tools, Appliances and Equipment		
12. Perform a routine inspection on the water tank and other extinguishing agent levels in accordance with departmental procedures and polices		
13. Perform a routine inspection on the pumping system in accordance with departmental procedures and policies		
14. Perform a routine inspection on the foam system in accordance with departmental procedures and policies		
♦15. Candidate shall wear eye protection while performing this task		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**11**	**TOTALS**		

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FIRE APPARATUS OPERATOR (FAO)

Skill No: FAO-19 **Standards: 5.2.1** **NFPA 1002, 2009 Edition**	**Primary Task**: The fire apparatus driver/operator, given a fire department pumper, shall demonstrate placing the pump in service for pumping operations.

Performance Outcome: The driver/operator shall safely and efficiently complete all in cab procedures.

Equipment Required: Fire department pumper equipped with wheel chocks

Task Steps	Pass	Fail
1. Bring the apparatus to a full stop and allow the engine to slow to idle speed		
2. Shift the transmission to neutral and set the brake		
3. Depress the brake pedal and engage the pump shift switch and lock		
4. Shift the transmission into pump gear		
♦5. Properly position wheel chocks		
6. Open water tank to pump valve		
7. Describe manual pump engagement procedures		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**6**	**TOTALS**		

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FIRE APPARATUS OPERATOR (FAO)

Skill No: FAO-20 **Standards: 5.2.1** **NFPA 1002, 2009 Edition**	**Primary Task**: Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.

Performance Outcome: The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations (from the internal tank) for supplying a pre-connected attack line, given one _____ inch attack line. _____feet in length with a _____nozzle being will produce an effective fire stream and calculate the correct discharge pressure

_____

Equipment Required: Fire department pumper and equipment determined by evaluators

Task Steps	Pass	Fail
1. Open the water tank to pump valve fully		
2. Place the transfer valve in ***volume/pressure*** (if applicable)		
3. Open the correct discharge valve		
4. Adjust the throttle to the correct discharge pressure (prime if necessary)		
♦5. Set the pressure control device to the operating pressure		
6. Monitor system for overheating		
7. Operate auxiliary cooling system (if applicable)		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

Test Date_____ Location:_____
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FIRE APPARATUS OPERATOR (FAO)

Skill No: FAO-21 **Standards: 5.2.1** **NFPA 1002, 2009 Edition**	**Primary Task**: Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.

Performance Outcome: The driver/operator will perform a transfer from internal tank to external source (hydrant)

Equipment Required: Fire department pumper, hydrant and all equipment needed to make the connection

Task Steps	Pass	Fail
1. Signal to have hydrant opened (evaluator will open hydrant)		
2. Maintain constant discharge pressure		
♦3. Reset pressure control device		
4. Fill apparatus booster tank		
5. Close tank to pump		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**4**	**TOTALS**		

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FIRE APPARATUS OPERATOR (FAO)

Skill No: FAO-22 **Standards: 5.2.1** **NFPA 1002, 2009 Edition**	**Primary Task**: Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.

Performance Outcome: The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations for a supplying multiple hose lines.

Driver/operator is operating off a pressurized water source with attack line flowing
.
Hose-line number 2. The driver/operator, given additional _____ inches hose-lines_____ feet in length, _____ inch nozzle, and a master stream device must show an effective fire stream and calculate the correct pump discharge pressure.

Equipment Required: Fire department pumper, hydrant and all equipment needed

Task Steps	Pass	Fail
1. Identify static pressure_____ psi.		
2. Place the transfer valve in pressure/volume (if applicable)		
3. Maintain correct pump discharge pressure (hose-line #1)		
4. Adjust throttle to correct pump discharge pressure (hose-line #2) (master stream device)		
5. Adjust throttle to correct pump discharge pressure (hose-line #3) to master stream device		
♦6. Set pressure control device		
7. Identify residual pressure _____ psi		
8. Monitor system for overheating		
9. Operate auxiliary cooling systems (if applicable)		
10. Identify the number of equal lines or additional gpm that could be added		
11. Identify possible problems that may occur if residual pressure drops below 20 psi		
12. Identify action to be taken		
13. Demonstrate shut down procedures		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**10**	**TOTALS**		

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FIRE APPARATUS OPERATOR (FAO)

Skill No: FAO-23 **Standards: 5.2.3** **NFPA 1002, 2009 Edition**	**Primary Task**: Produce a foam fire stream, given foam producing equipment, so that properly proportioned foam is provided.

Performance Outcome: The driver/operator, given foam and foam producing equipment, shall demonstrate the ability to operate foam proportioning equipment, connect foam stream equipment and produce an effective fire stream supplied with foam.

Equipment Required: A supply of Class A or B type foam concentrate or substitute. Inline eductor, fog nozzle, foam nozzle

Task Steps	Pass	Fail
♦1. Identify type of foam producing equipment being utilized		
2. Prepare foam producing equipment for operation		
3. Adjust throttle to current pump discharge pressure for foam producing equipment being Utilized		
♦4. Identify correct foam concentration for a specific type fire, to be determined by the evaluator		
5. Produce an effective foam supplied fire stream		
♦6. Identify limitations of foam type being utilized		
♦7. Demonstrate shut down procedures		
♦8. Identify proper cleaning or flushing procedures for equipment utilized, per the manufacturer's recommendations		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**6**	**TOTALS**		

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FIRE APPARATUS OPERATOR (FAO)

Skill No: FAO-24 **Standards: 5.2.4** **NFPA 1002, 2009 Edition**	**Primary Task**: Supply water to fire sprinkler and standpipe systems so that water is supplied to the system at the correct volume and pressure.

Performance Outcome: Supply water to fire sprinkler and standpipe systems, given specific system information and a fire department pumper, so that water is supplied to the system at the correct volume and pressure.

Equipment Required: Fire sprinkler and standpipe system, fire department pumper

Task Steps	Pass	Fail
1. Correctly hook into standpipe or sprinkler connection		
2. Place the transfer valve in *volume/pressure* (if applicable)		
3. Open the correct discharge valve		
4. Adjust the throttle to the correct discharge pressure (prime if necessary)		
♦5. Set the pressure control device to the operating pressure		
6. Monitor system for overheating		
7. Operate auxiliary cooling systems (if applicable)		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

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FIRE APPARATUS OPERATOR (FAO)

Skill No: FAO-25 **Standards: 5.2.1 and 5.2.2** **NFPA 1002, 2009 Edition**	**Primary Task**: Pump a supply line of 2 ½ inches or larger, given a relay pumping evolution the length and size of the line and the desired flow and intake pressure, so that the proper pressure and flow are provided to the next pumper in the relay.

Performance Outcome: The driver/operator, given a static water source with two 10 inch sections of hard suction connected to a fire department pumper, relay water use two _____ inch supply lines _____ feet in length to a fire department attack pumper.

Equipment Required: A fire department pumper, hard suction, supply hose

Task Steps	Pass	Fail
1. Identify the source and attack pumper		
2. Identify the minimum water level of the static source		
3. Identify the maximum lift at the test site		
4. Identify the maximum priming time of the source pumper		
5. Prime the pump		
6. Identify problems associated with a failure to prime the pump		
7. Communications with the attack pumper		
8. Open the correct discharge valve		
9. Adjust the throttle to the correct discharge pressure _____psi		
♦10. Set pressure control device		
11. Maintain pump prime without flow interruptions to attack pumper		
12. Monitor systems for overheating. Operate auxiliary cooling system if needed		
13. Demonstrate shut down procedures		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**10**	**TOTALS**		

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FIRE APPARATUS OPERATOR (FAO)

Skill No: FAO-26 **Standards: 5.2.1** **NFPA 1002, 2009 Edition**	**Primary Task**: The fire apparatus driver/operator, given a fire department pumper, shall demonstrate restoring the pump to service for pumping operations

Performance Outcome: The driver/operator, given a fire department pumper, shall demonstrate the procedure for restoring the pumper to service

Equipment Required: Fire department pumper

Task Steps	Pass	Fail
♦1. Ensure that the apparatus water tank is full		
2. Reset pressure control devices		
3. Shift the transmission into neutral, allowing it to return to idle speed before disengaging the the pump shift switch		
4. Open the pump drain (if applicable)		
5. Load and secure all equipment		
6. Secure compartment doors		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

Test Date_____ Location:_____
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Evaluator Signature

WILDLAND FIREFIGHTER I

*****All equipment utilized must meet the requirements of the current editions of NFPA 1977, NFPA 1521 and all other applicable NFPA Standards.*****

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WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-1 **Standard: 5.1.1(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate proper use of a portable radio by transmitting and receiving information. **Equipment Required**: a two-way portable or mobile radio	

Task Steps	**Pass**	**Fail**
1. Check antenna (if portable)		
2. Turn on radio		
3. Adjust squelch (if applicable)		
4. Adjust volume		
5. Select designated channel		
6. Place microphone 2 – 4 inches from mouth		
7. Key microphone, speak distinctly and concisely using proper procedure and clear text		
8. Release microphone key		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**6**	**TOTALS**		

Test Date_____ Location:_____
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Evaluator Signature(s)

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WILDLAND FIREFIGHTER I (WFFI)

Skill No. **WFFI-2** **Standard: 5.1.1, 5.3.2(a) NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate the care, inspection, and maintenance of protective clothing **Equipment Required**: a helmet (with eye protection), pants, shirt, (or coveralls), boots and gloves

Task Steps	Pass	Fail
1. Inspect all protective clothing for damage		
2. Remove clothing from service if needed		
3. Describe proper cleaning methods (manufacturer recommended)		
4. Demonstrate where to find manufacturer recommendations for care instructions		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**3**	**TOTALS**		

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WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-3 **Standard: 5.1.1, 5.3.2(a) NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate proper wearing of personal protective equipment **Equipment Required**: Given proper personal protective equipment (Candidates should be wearing pants and shirt or coveralls with proper footwear prior to demonstrating this skill)

Task Steps	Pass	Fail
♦1. Don helmet with chinstrap, eye protection, hearing protection		
♦2. Don gloves		
♦3. Don equipment belt with: fire shelter, canteen		
4. Don shroud, if available		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**3**	**TOTALS**		

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WILDLAND FIREFIGHTER I (WFFI)

Skill No. **WFFI-4** **Standard: 5.3.2** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate how to assemble, attach to hard hat, and field maintain a headlamp _____ **Equipment Required**: a helmet and headlamp

Task Steps	**Pass**	**Fail**
1. Check for batteries		
2. Check for non-conducting strip between batteries, remove if necessary (if applicable)		
3. Demonstrate how to change batteries		
4. Demonstrate how to change bulbs		
5. Demonstrate how to focus beam (if applicable)		
6. Attach lamp to helmet		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

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WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-5 **Standard: 5.1.1, 5.5.3** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate action to be taken during and after an air retardant drop **Equipment Required**: a scenario, personnel protective equipment and hand tools

Task Steps	Pass	Fail
1. Verify escape from drop zone is not possible		
♦2. Get clear of dead snags, tops and limbs		
3. Lie face down with head towards oncoming aircraft, hardhat on, feet squared		
♦4. Eye protection and chin strap secure		
5. Hold hand tool away from body		
♦6. Describe three (3) post-drop safety concerns		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

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WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-6 **Standard: 5.1.1(a) (b) NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate proper deployment of a fire shelter **Equipment Required**: P.P.E. including gloves and helmet, practice fire shelter and a scenario

Task Steps	Pass	Fail
The following criteria must be verbalized or done prior to deployment of shelter		
♦1 Full PPE is properly worn		
♦2. Remain calm		
♦3. Verify that escape routes to safety zones are not possible		
♦4. Pick a large clearing		
♦5. Find a bare spot, avoid heavy fuels and snags		
♦6. If time permits, scrape away flammable litter or clear an area 4 X 8 feet (minimum) down to mineral soil		
♦7. Leave packs and hand tools well away from your fire shelter		
♦8. Toss fuses and gasoline far from the deployment area		
♦9. Shake out and open folds		
♦10. Take canteen into shelter		
♦11. Step into shelter holding bottom flaps down with feet and top flaps with gloved hands (no body parts may be outside the shelter)		
♦12. Position body so feet are toward oncoming flame front		
♦13. Fall to the ground face forward trapping as much clean air as possible		
♦14. Protect airways and lungs		
♦15. Stay in shelter until you notice temperatures have cooled significantly or a supervisor tells you it's safe to come out		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**15**	**TOTALS**		

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WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-7 **Standard: 5.3.3(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate techniques for inspecting, maintaining and sharpening hand tools _____ **Equipment Required**: P.P.E. and one of the following fire-line tools: McLend or Pulaski or shovel and a file with handle and guard

Task Steps	**Pass**	**Fail**
♦1. PPE is properly worn		
♦2. Eye protection is worn		
♦3. Gloves are worn		
4. Describe at least three (3) items to inspect to ensure tools are in safe working condition		
5. File handle is used		
6. File guard is used		
7. Tools are safely secured for sharpening		
8. Clearance maintained around the working area		
9. Flat palm used against file		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**7**	**TOTALS**		

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WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-8 **Standard: 5.3.4(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate how to retrieve fire line hose using the following methods: **A: Single section drain and carry** **B: Figure 8 technique** **Equipment Required**: P.P.E., length of 1" or 1 ½ inch hose, (Minimum 50 ft.)

Task Steps	Pass	Fail
A: Single section drain and carry		
1. Pick-up coupling allowing water to drain		
2. Place coupling in front of body with hose loop over shoulder (or according to dept. SOP)		
3. Layer hose on shoulder		
4. Hose controlled and secured		
5. Identify and mark damaged hose if found		
B: Figure 8 technique		
6. Drain hose		
7. Protect hose threads		
8. Identify and mark damaged hose if found		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**6**	**TOTALS**		

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Evaluator Signature(s)

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WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-9 **Standard: 5.5.4** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate the proper procedures for carrying hand tools and passing crew members while working on a fire line _____ **Equipment Required**: PPE and hand tools

Task Steps	**Pass**	**Fail**
♦1. PPE is properly worn		
2. Proper spacing is maintained (10-foot minimum)		
3. Tools are carried on the downhill side		
♦4. Cutting edge of tool is away from body		
5. Signal crewmember prior to passing		
6. Wait to be given right of way		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

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Evaluator Signature(s)

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WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-10 **Standard: 5.5.4** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate proper procedures for passing cutting tools **Equipment Required**: A scenario, PPE and hand tools

Task Steps	Pass	Fail
♦1. PPE is properly worn		
2. Tool is grasped by head and neck of tool		
♦3. Tool is extended to other firefighter, handle first		
4. Acknowledged receipt of tool before releasing grasp		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**3**	**TOTALS**		

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TENNESSEE COMMISSION
ON FIREFIGHTING

WILDLAND FIREFIGHTER I (WFFI)

Skill No. **WFFI-11** **Standard: 5.5.4(a)(b) NFPA 1051, 2007 Edition,**	**Primary Task**: Demonstrate the proper use of a smothering tool _____ **Equipment Required**: A scenario, PPE and smothering tools

Task Steps	**Pass**	**Fail**
♦1. PPE is properly worn		
2. Firm grip		
3. Feet apart, solid stance		
4. Tool lightly patted or dragged along the fire edge		
5. Constant movement to prevent burning		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**4**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature(s)

TENNESSEE COMMISSION
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WILDLAND FIREFIGHTER I (WFFI)

Skill No. **WFFI-12** **Standard: 5.5.4(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate the proper procedures for assembly, use and maintenance of a back pack pump _____ **Equipment Required**: A disassembled backpack pump and water source

Task Steps	**Pass**	**Fail**
1. Assemble back pack pump properly		
2. Fill with clean or strained water		
3. Maintain proper footing and stance		
4. Maintain proper body position, carrying and lifting		
5. Demonstrate cleaning quick connect, if dirty		
6. Use both straight and spray stream		
7. Demonstrate clearing a clogged nozzle		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

Test Date_____ Location:_____
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TENNESSEE COMMISSION
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WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-13 **Standard: 5.5.5(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Simulate the proper igniting, use and extinguishment of a fuse _____ **Equipment Required**: A scenario, PPE, fuse and a cleared area

Task Steps	**Pass**	**Fail**
♦1. Sleeves down, gloves on and eye protection in place		
2. Remove the striker protector		
3. Expose fuse cap		
4. Place striker on igniter		
♦5. Turn face away from fuse		
6. Simulate lighting fuse by sharply scratching the igniter across the striker		
7. Protect from splattering slag		
8. Apply flame to (simulated) fuel		
9. Extinguish fuse by striking sharply on ground or by placing lighted end in mineral soil		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**7**	**TOTALS**		

Test Date_____ Location:_____
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TENNESSEE COMMISSION
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WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-14A **Standard: 5.5.5(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate the proper procedures for assembling a Drip Torch **A. Assemble Drip Torch** **Equipment Required**: PPE, a drip torch in proper working condition, a cleared area and rags

Task Steps	Pass	Fail
♦1. Wearing proper protective clothing		
2. Unscrew lock ring		
3. Unscrew and secure fuel flow plug		
4. Remove spout and inspect gasket, fuel and wick		
5. Set spout with wick in correct position and secure lock ring		
6. Open air vent		
♦7. Wipe off spilled fuel		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

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Evaluator Signature(s)

TENNESSEE COMMISSION
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WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-14B **Standard: 5.5.5(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate the proper procedures for assembling a Drip Torch **B. Mix Fuel and Fill Drip Torch** **Equipment Required**: PPE, a drip torch in proper working order, proper fuels, storage containers, a cleared area and rags

Task Steps	Pass	Fail
♦1. Wearing proper protective clothing		
2. Explain mixing fuel (3:1 ratio)		
3. Show where to fill		
4. Simulate filling of torch		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**3**	**TOTALS**		

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TENNESSEE COMMISSION
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WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-14C **Standard: 5.5.5(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate the proper procedures for assembling a Drip Torch **C. Storage of a Drip Torch After Use** **Equipment Required**: PPE, a drip torch in proper working condition, a cleared area and rags

Task Steps	**Pass**	**Fail**
♦1. Wearing proper protective clothing		
2. Let wick cool before storage		
3. Remove lock ring		
4. Verify fuel level at 3/4 full		
♦5. Check all gaskets/O rings and replace if necessary		
6. Reverse spout and put inside of tank		
7. Replace lock ring securely		
8. Replace flow plug		
9. Close air breather valve		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**9**	**TOTALS**		

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TENNESSEE COMMISSION
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WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-15 **Standard: 5.5.5(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Simulate the proper procedures for lighting, using and extinguishing a drip torch _____ **Equipment Required**: A scenario, PPE, a drip torch in proper working condition

Task Steps	Pass	Fail
♦1. Wear full PPE		
2. Spread fuel on ground litter or paper		
3. Simulate igniting fuel		
4. Simulate igniting drip torch from ignited fuels on ground		
5. Safely carry drip torch to area of use		
6. Simulate proper procedure to ignite vegetation		
7. Simulate extinguishing wick		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

Test Date_____ Location:_____
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Evaluator Signature(s)

TENNESSEE COMMISSION
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WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-16A **Standard: 5.5.6(a)(b), 5.5.7(a)(b), NFPA 1051**	**Primary Task**: Demonstrate the proper use of tools and appliances during hose lay operations **Simple/Extended Hose Lay** **Equipment Required**: A scenario to protect a structure, PPE, charged hose line, tools, appliances and 1 additional length of 1" or larger rolled hose and pump operator

Task Steps	**Pass**	**Fail**
♦1. Wear full PPE		
2. Demonstrate a simple hose lay		
3. Extend charged hose lay by properly clamping, crimping, disconnecting, adding length of hose and re-coupling hose		
4. Signal for water		
5. Set nozzle appropriate for the situation		
6. Apply water properly		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**4**	**TOTALS**		

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Evaluator Signature(s)

TENNESSEE COMMISSION
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WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-16B **Standard: 5.5.6(a)(b), 5.5.7(a)(b), NFPA 1051, 2007**	**Primary Task**: Demonstrate the proper use of tools and appliances during hose lay operations **Progressive Hose Lay** **Equipment Required**: PPE, 1 ½'' gated Wye, 1'' nozzle, 1-1 ½'' nozzle or cap, 1½ to 1'' reducer, two lengths of rolled 11/2" hose, length of rolled 1" hose. Objective: Have two working nozzles.

Task Steps	Pass	Fail
♦1. Wear full PPE		
2. Set up a progressive hose lay		
3. Use fittings, appliances and hose as appropriate for scenario		
4. Signal for water		
5. Set nozzle appropriate for the situation		
6. Apply water properly		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
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TENNESSEE COMMISSION
ON FIREFIGHTING

WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-17 **Standard: 5.5.4(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate the proper use of hand tools while building a fire control line. **Equipment Required**: A scenario, PPE, and tools: shovel or McLeod or Pulaski or Combi

Task Steps	Pass	Fail
♦1. Wear full PPE		
2. Select the proper tool for assignment		
3. Inspect the tool before use		
4. Determine if the tool may be used safely		
5. Construct suppression line based on type of fuels and terrain		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**4**	**TOTALS**		

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Candidate_____SS#_____
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TENNESSEE COMMISSION
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WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-18 **Standard: 5.5.4(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate the proper building of a cup trench on a slope **Equipment Required**: A scenario, PPE and tools: shovel or McLeod or Pulaski or Combi

Task Steps	**Pass**	**Fail**
♦1. Wear full PPE		
2. Determine that safety considerations are met		
3. Select appropriate tool		
4. Build an adequate downhill berm		
5. Cup trench should halt any rolling firebrand from the fire above		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**4**	**TOTALS**		

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WILDLAND FIREFIGHTER I (WFFI)

Skill No. **WFFI-19** **Standard: 5.5.4(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate the proper building of a control line using the bump up or one lick technique _____ **Equipment Required**: A scenario, PPE, proper tools: shovel, McLeod or Pulaski and a firefighter crew

Task Steps	**Pass**	**Fail**
♦1. Wear full PPE		
2. Demonstrate proper space when walking and working, (10 – 15 ft. apart)		
3. Select proper tools for given fuel types		
4. Construct line extending to mineral soil		
5. Demonstrate proper intra-crew communications (bump, take more, take less, hazards)		
♦6. Demonstrate safe use of hand tools		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

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Candidate_____SS#_____
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Evaluator Signature(s)

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WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-20 **Standard: 5.5.7(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate wet mop-up **Equipment Required**: A scenario, PPE, water source and hand tools

Task Steps	**Pass**	**Fail**
♦1. Use proper PPE including eye protection		
2. Use senses to detect burning materials		
3. Utilize hand tools for chopping, scraping and separating burning materials		
4. Use hand tools in conjunction with applying water		
5. Apply water appropriately		
6. Describe how to rearrange fuels that are adjacent to the control line to facilitate holding the fire		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

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Evaluator Signature(s)

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WILDLAND FIREFIGHTER I (WFFI)

Skill No. WFFI-21 **Standard: 5.5.7(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate dry mop-up _____ **Equipment Required**: A scenario, PPE and hand tools

Task Steps	**Pass**	**Fail**
♦1. Wear proper PPE, including eye protection		
2. Use senses to detect burning materials		
3. Utilize hand tools for chopping, scraping and separating burning materials		
4. Mix burning materials with soil		
5. Describe how to rearrange fuels that are adjacent to the control line to facilitate holding the fire		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**4**	**TOTAL**		

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Candidate_____SS#_____
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Evaluator Signature(s)

TENNESSEE COMMISSION
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WILDLAND FIREFIGHTER I (WFFI)

Skill No. **WFFI-22** **Standard: 5.5.7** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate cold trailing a fire _____ **Equipment Required**: A scenario, PPE and proper tools

Task Steps	**Pass**	**Fail**
♦1. Wear full PPE		
2. Properly feel with the back of ungloved hand to detect any heat		
3. Identify, mop up and extinguish all hot areas adjacent to fire perimeter		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**3**	**TOTALS**		

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WILDLAND FIREFIGHTER I (WFFI)

Skill No. **WFFI-23** **Standard: 5.5.8** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate follow-up procedures for wet line, retardant line or treated area _____ **Equipment Required**: A scenario, PPE and proper tools

Task Steps	**Pass**	**Fail**
♦1. Wear full PPE		
2. Look for deficiencies in application (i.e., all fuels not treated, skips in application and evaporation)		
3. Assess the nature of the fuels (arrangement, continuity, compactness, volume)		
4. Assess fire activity (smoldering, creeping, running, spotting, crowning)		
5. Assess the chances of a later burn throughout. Look for parched and/or scorched but unburned fuels near the area, and fuels not fully burned out next to the treated area.		
6. If safe and practical, burn out area of unburned fuel per supervisor's orders		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature(s)

WILDLAND FIREFIGHTER II

*****All equipment utilized must meet the requirements of the current editions of NFPA 1977, NFPA 1521 and all other applicable NFPA Standards.*****

TENNESSEE COMMISSION
ON FIREFIGHTING

WILDLAND FIREFIGHTER II (WFFII)

Skill No. WFFII-1 **Standard: 6.1.1(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate use of maps and compass _____ **Equipment Required**: A local topographical map and compass

Task Steps	**Pass**	**Fail**
1. Accurately determine local declination		
2. Use compass to point to true North		
3. Accurately orient map using compass, landmarks, improved properties, streets, access roads, And/or topographic features		
4. Accurately identify current location by determining back azimuths to two identifiable landmarks or topographic features		
5. Verify location by comparing topographic features or street references with map		
6. Describe location in terms of coordinates or other acceptable description		
7. Accurately read map symbols		
8. Accurately compute distance and bearing		
9. Accurately navigate to an assigned destination		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**7**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
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Evaluator Signature(s)

TENNESSEE COMMISSION
ON FIREFIGHTING

WILDLAND FIREFIGHTER II (WFFII)

Skill No. **WFFII-2** **Standard: 6.1.1(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Demonstrate proper use of portable or mobile multi-channel radio _____ **Equipment Required**: A radio and assignment

Task Steps	**Pass**	**Fail**
1. Use clear text		
2. Correctly prepare radio for operation		
3. Complete radio check		
4. Select proper channel		
5. Make appropriate adjustments (squelch/volume)		
6. Change location to improve reception/transmission (as needed)		
7. Use proper radio procedures and techniques		
8. Exercise proper radio discipline		
9. Describe agency procedures for emergency notification (emergency traffic)		
10. Describe limitations of radio communications		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**7**	**TOTALS**		

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TENNESSEE COMMISSION
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WILDLAND FIREFIGHTER II (WFFII)

Skill No. **WFFII-3** **Standard: 6.2.2 (a)** **NFPA 1051, 2007 Edition**	**Primary Task**: Properly describe the safety zone guidelines with utilization of the IRPG **Equipment Required**: Properly describe the safety zone guideline with utilization of the IRPG

Task Steps	Pass	Fail
1. Explain difference between a safety zone versus a deployment site		
2. Describe limitations of safety zone guidelines		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**2**	**TOTALS**		

Test Date_____ Location:_____
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TENNESSEE COMMISSION
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WILDLAND FIREFIGHTER II (WFFII)

Skill No. WFFII-4 **Standard: 6.2.1 (a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Evaluate the readiness of yourself and assigned crew members so that all are equipped and supplied for assigned duties. **Equipment Required**: A wildland fire assignment, agency forms, equipment and personal protective equipment

Task Steps	**Pass**	**Fail**
♦1. Inspect personal kit to ensure it contains items as needed for assignment.		
Fireline Handbook		
IRPG		
--Radio programming guide		
--Equipment safety inspection list		
--Local specific materials		
--ICS 201 incident briefing forms		
--Local maps		
♦2. Know flight weight limitation (if applicable)		
♦3. Inspect crew members' personal gear to ensure that it contains items needed for assignment.		
--PPE		
--prescribed medications		
--Personal hygiene		
--Incident specific tools and equipment		
--Food and water		
--First aid kit		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**3**	**TOTALS:**		

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WILDLAND FIREFIGHTER II (WFFII)

Skill No. WFFII-5 **Standard: 6.2.2(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Brief assigned personnel so that the personnel are informed of specific tasks, standards, safety, operational and special interest area considerations _____ **Equipment Required**: An assignment, IRPG or Fireline Handbook and equipment requirements

Task Steps	Pass	Fail
1. Type of incident		
2. Current situation status		
3. Expected duration of incident		
4. Terrain		
5. Weather, current and expected		
♦6. Special equipment needed		
7. Phone/radio contact procedures during travel		
8. Threats to improved property		
♦9. Access/Egress		
10. Answer questions for clarification on assignment as needed		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**7**	**TOTALS**		

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WILDLAND FIREFIGHTER II (WFFII)

Skill No. WFFII-6 **Standard: 6.5.4(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Maintain and operate a chain saw so that the proper tool is selected and the assignment is correctly completed _____ **Equipment Required**: Proper PPE, including saw chaps, hearing protection and eye protection, demonstrate proper use of a chainsaw

Task Steps	**Pass**	**Fail**
♦1. Use proper PPE (including saw chaps)		
2. Use correct fueling and starting procedures		
♦3. Correctly carry chain saw		
♦4. Use correct stopping and refueling procedures		
5. Inspect and maintain saw		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**4**	**TOTALS**		

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WILDLAND FIREFIGHTER II (WFFII)

Skill No. WFFII-7 **Standard: 6.5.5(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Maintain and operate a pump so that the proper tool is selected and the assignment is correctly completed _____ **Equipment Required**: An assignment/scenario and a pump and accessories to supply a simple hose lay

Task Steps	**Pass**	**Fail**
1. Plan pumping operation (appropriate agent, water source and type of pump and accessories)		
2. Correctly position pump and assemble accessories		
3. Prime, start and warm up pump		
4. Operate pump engine at desired PSI and GPM		
5. Refuel and maintain pump for continuous operation		
6. Correctly stop pump		
7. Provide correct field maintenance to engine and pump in accordance with maintenance Guidelines		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

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WILDLAND FIREFIGHTER II (WFFII)

Skill No. WFFII-8 **Standard: 6.3.2 6.3.3(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Inspect tools and water handling equipment so that availability of the tools and equipment for fire use is ensured _____ **Equipment Required**: An assignment, water handling equipment and tools (Pulaski, shovel or McLeod)

Task Steps	**Pass**	**Fail**
1. Inspect water handling equipment for readiness		
2. Inspect hand tool for readiness		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**2**	**TOTALS**		

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Evaluator Signature(s)

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WILDLAND FIREFIGHTER II (WFFII)

Skill No. WFFII-9 **Standard: 6.5.3(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Simulate the reduction of fire exposure to improved properties so that improvements are protected and the risk from fire is reduced. _____ **Equipment Required**: A wildland/urban interface fire scenario and picture, crew, tools, IRPG and an assignment

Task Steps	**Pass**	**Fail**
1. Take appropriate action to safely initiate action during initial attack or when completing assigned incident tasks		
2. Direct the rearrangement and reduction of fuel		
3. Direct the securing of hazards		
4. Direct the preparation of building/structure		
5. Direct the application of pre-treatment agents(foam, gel)		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**4**	**TOTALS**		

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WILDLAND FIREFIGHTER II (WFFII)

Skill No. WFFII-10 **Standard: 6.5.6(a)(b)** **NFPA 1051, 2007 Edition**	**Primary Task**: Describe methods to secure the area of suspected fire origin and associated evidence so that all evidence or potential evidence is protected from damage or destruction and reported to a supervisor **Equipment Required**: A wildland fire and agency procedures

Task Steps	Pass	Fail
1. Describe methods to secure area of suspected fire origin and associated evidence		
2. Describe how to identify and mark suspected evidence		
3. Notify supervisor of possible evidence		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**3**	**TOTALS**		

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Evaluator Signature(s)

AIRPORT FIREFIGHTER

*****All equipment utilized must meet the requirements of the current edition of NFPA 1003 and all other applicable NFPA Standards.*****

TENNESSEE COMMISSION
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AIRPORT FIRE FIGHTER (AFF)

Skill No. AFF-1 **Standard: 6.1.1.4** **NFPA 1003, 2005 Edition**	**Primary Task:** Donning Proximity Protective Equipment (PrPP)

Objective: Given a complete set of proximity protective clothing (coat, pants, hood, gloves, helmet and boots), you will be required to properly don the proximity protective clothing. You will begin on instructions to start and will end when you state that you have completed all of the identified steps. Do you understand these instructions?

Equipment Required: PrPPE ensemble (pants, boots, coat, hood, helmet with shroud, gloves)

Task Steps	Pass	Fail
The candidate shall safely and correctly don:		
1. Proximity pants and boots		
2. Proximity coat		
3. Hood		
4. Proximity helmet with shroud		
5. Proximity gloves		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

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AIRPORT FIRE FIGHTER (AFF)

Skill No. **AFF-2** **Standard: 6.2.1, 6.2.2** **NFPA 1003, 2005 Edition**	**Primary Task**: Communications – Size-Up

Objective: Given a scenario and communications equipment, you will operate communications systems, identify aircraft type, communicate an accurate situation report, and implement the incident management system (IMS) protocol according to the airport emergency plan. Do you understand these instructions?

_____

Equipment Required: Incident Management System protocol, airport emergency plan, communication equipment and procedure, fire attack procedures and a given scenario.

Task Steps	**Pass**	**Fail**
The Candidate will:		
1. Operate communication devices correctly		
2. Communicate an accurate brief initial report, size-up and situation report		
3. Implement IMS according to airport emergency plan		
4. Identify aircraft types		
5. Correctly utilize the IMS		
6. Use proper radio etiquette		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**6**	**TOTALS**		

Test Date_____ Location:_____
Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature

TENNESSEE COMMISSION
ON FIREFIGHTING

AIRPORT FIRE FIGHTER (AFF)

Skill No. **AFF-3** **Standard: 6.2.1, 6.2.3** **NFPA 1003, 2005 Edition**	**Primary Task**: Communications – Air Traffic Control (ATC)

Objective: Given a scenario and communication equipment, you will operate communication equipment using aviation phraseology and the aviation phonetic alphabet. Do you understand these instructions?

Equipment Required: Communication equipment and frequencies, tower light signal plans, fire department and airport terminology, a response destination, other items as determined by the examiner

Task Steps	Pass	Fail
The Candidate will:		
1. Identify starting point, intended destination and intended path of travel		
2. Confirm clearance with ground control (radio or tower light signals)		
3. Identify unit calling and request emergency clearance to travel on the aircraft operations area (AOA)		
4. Correctly use radio terminology		
5. Use proper radio etiquette		
6. Operate communication devices correctly		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**6**	**TOTALS**		

Test Date_____ Location:_____
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TENNESSEE COMMISSION
ON FIREFIGHTING

AIRPORT FIRE FIGHTER (AFF)

Skill No. **AFF-4** **Standard: 6.2.4** **NFPA 1003, 2005 Edition**	**Primary Task**: Communications - Standby

Objective: Given a scenario, you will recognize hazardous conditions and take corrective action. Do you understand these instructions?

_____

Equipment Required: Airport policies and procedures for hazardous conditions and a given scenario

Task Steps	Pass	Fail
The Candidate will:		
1. Review given assignment		
2. Evaluate scenario for hazardous conditions		
3. Address each hazardous condition separately		
4. Resolve each hazardous condition according to policies and procedures		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**4**	**TOTALS**		

Test Date_____ Location:_____
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TENNESSEE COMMISSION
ON FIREFIGHTING

AIRPORT FIRE FIGHTER (AFF)

Skill No. **AFF-5** **Standard: 6.2.1** **NFPA 1003, 2005 Edition**	**Primary Task**: Responding to Incidents

Objective: You will read an airport map with grid marks and interpret correct actions to be taken in relation to the grid map. You will be able to identify an airport water distribution location on the grid map. You will also verbalize or identify airport markings and lights in regards to the response scenario given. Do you understand these instructions?

_____

Equipment Required: Airport map with grid markings and a given scenario

Task Steps	**Pass**	**Fail**
The Candidate will:		
1. Find location given on airport grid map		
2. Properly identify route to be taken		
3. Identify any hazards of route to be taken		
4. Correctly identify the water distribution system location(s) on the airport grid map		
5. Identify airport markings affecting the response		
6. Identify airport lighting affecting the response		
7. Complete all steps within the allotted time		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**7**	**TOTALS**		

Test Date_____ Location:_____
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TENNESSEE COMMISSION
ON FIREFIGHTING

AIRPORT FIRE FIGHTER (AFF)

Skill No. **AFF-6** **Standard: 6.4.1** **NFPA 1003, 2005 Edition**	**Primary Task**: Rescue - Access

Objective: Working in a team with PrPPE, you will use ladders and high reach devices to access an aircraft and assist with emergency evacuation of the aircraft. After the evacuation you will safety the aircraft by shutting down the aircraft systems. Do you understand these instructions?

_____

Equipment Required: PrPPE, aircraft, ladder or high reach device (air-stairs), charged hand line

Task Steps	**Pass**	**Fail**
The Candidate will correctly and safely:		
1. Assist with evacuation and secure evacuation chutes		
2. Operate a specialized ladder		
3. Operate a high reach device (if available)		
4. Shut down aircraft systems		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**4**	**TOTALS**		

Test Date_____ Location:_____
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TENNESSEE COMMISSION
ON FIREFIGHTING

AIRPORT FIRE FIGHTER (AFF)

Skill No. **AFF-7** **Standard: 6.4.2** **NFPA 1003, 2005 Edition**	**Primary Task**: Rescue - Disentangle

Objective: Working in a team with PrPPE, you will use power tools to access an entrapped victim and disentangle the victim without undue further injury while managing any hazards present. Do you understand these instructions?

Equipment Required: PrPPE, aircraft wreckage, charged hand line, powered forcible entry tools, rescue mannequin and a given scenario.

Task Steps	Pass	Fail
The Candidate will:		
1. Correctly perform search procedures		
2. Control any hazards		
3. Operate power saw		
4. Operate hydraulic spreader and cutter		
5. Operate a pneumatic cutter		
6. Operate a pulling device		
7. Safely remove victim		
8. Correctly and safely operate rescue tools		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**8**	**TOTALS**		

Test Date_____ Location:_____
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TENNESSEE COMMISSION
ON FIREFIGHTING

AIRPORT FIRE FIGHTER (AFF)

Skill No. **AFF-8** **Standard: 6.4.3** **NFPA 1003, 2005 Edition**	**Primary Task**: Rescue - Triage

Objective: Working in PrPPE, you will use the AHJ's protocol to implement initial triage to victims placing them in the proper categories for treatment and transport. Do you understand these instructions?

_____

Equipment Required: PrPPE, triage tags (color coded), simulated victims, a given scenario

Task Steps	Pass	Fail
The Candidate will correctly:		
1. Size-up scene, ensuring scene is safe		
2. Set up triage areas for each category		
3. Use proper PrPPE		
4. Assess the critical factors of patient condition		
5. Tag patient for triage category		
6. Direct movement of patients to triage category area		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**6**	**TOTALS**		

Test Date_____ Location:_____
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Evaluator Signature(s)

TENNESSEE COMMISSION
ON FIREFIGHTING

AIRPORT FIRE FIGHTER (AFF)

Skill No. **AFF-9** **Standard: 6.3.5** **NFPA 1003, 2005 Edition**	**Primary Task**: Suppression - Interior

Objective: You will attack a fire on the interior of an aircraft while operating as a member of a team. The team will don their PrPPE, be given an assignment, an ARFF vehicle hand line and an extinguishing agent. The team will deploy a ladder or utilize other means of accessing the aircraft. The team integrity is to be maintained during the entire evolution of the skill. The team ensures proper attack line deployment for advancement. The team safely ladders and gains access into the aircraft and the involved fire area. The team will demonstrate effective agent application practices, the fire is approached and attack techniques facilitate suppression given the level of the fire. All hidden fires are located and controlled inside the interior of the aircraft. Aircraft interior hazards are avoided or managed and the fire is brought under control. Do you understand these instructions?

_____

Equipment Required: PrPPE, ARFF apparatus, hand lines, ladder

Task Steps	Pass	Fail
1. Maintain team integrity for duration of skill scenario		
2. Safely deploy attack line(s)		
3. Achieve access in a safe and effective manner		
4. As part of the team, gain access into the aircraft and advance to the fire area		
5. Effectively apply agent		
6. Suppress and control the fire(s)		
7. Avoid or manage interior hazards		

♦**Critical Step** – Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**7**	**TOTALS**		

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TENNESSEE COMMISSION
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AIRPORT FIRE FIGHTER (AFF)

Skill No. AFF-10 **Standard: 6.3.8** **NFPA 1003, 2005 Edition**	**Primary Task**: Suppression - Ventilation

Objective: Operating as a member of a team, given PrPPE and an assignment, you will operate doors and hatches. You will operate mechanical ventilation devices and remove barriers. Do you understand these instructions?

_____

Equipment Required: PrPPE, SCBA, mechanical ventilation device, aircraft door, hatch or equivalent simulator, a given scenario

Task Steps	Pass	Fail
The Candidate will:		
1. Choose correct aircraft access point		
2. Safely operate aircraft door or hatch		
3. Remove obstructions or barriers to ventilation process		
4. Set up and operate mechanical ventilation device at opening provided		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**4**	**TOTALS**		

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TENNESSEE COMMISSION
ON FIREFIGHTING

AIRPORT FIRE FIGHTER (AFF)

Skill No. **AFF-11** **Standard: 6.3.10, 6.3.11** **NFPA 1003, 2005 Edition**	**Primary Task**: Preserve Scene and Overhaul

Objective: Working in a team with PrPPE, hand line and property conservation equipment, you will search a debris field or wrecked fuselage and locate, expose and extinguish any hidden fires to protect property from further damage. Preserve the aircraft accident scene so that evidence is identified, protected and reported according to procedures. Do you understand these instructions?

Equipment Required: Airport evidence preservation and reporting policies and procedures, airport emergency plan, PrPPE, Debris field or aircraft, thermal imager, charged hand line, forcible entry tools, heat source, a given scenario

Task Steps	Pass	Fail
6.3.10 The Candidate will:		
1. Identify scene preservation methods		
2. Identify evidence identification procedures		
3. Identify evidence protection procedures		
6.3.11 The Candidate will:		
1. Secure area and ensure overhaul does not disturb evidence		
2. Locate hidden fire (heat source); use thermal imager if available		
3. Expose hidden fire		
4. Correctly extinguish fire		
5. Prevent re-ignition of fire		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**8**	**TOTALS**		

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TENNESSEE COMMISSION
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AIRPORT FIRE FIGHTER (AFF)

Skill No. **AFF-12** **Standard: 6.3.1** **NFPA 1003, 2005 Edition**	**Primary Task**: Suppression – Dry Chemical Extinguisher

Objective: You shall, as a member of a team and utilizing PrPPE, operate dry chemical extinguishers equipped with a hose line, including removing and operating hose and applying agent, using prescribed techniques sufficient to extinguish a 23.2 m2 (250 ft2) fire in 25 seconds. Do you understand these instructions?

_____

Equipment Required: PrPPE, 100 lb (minimum) dry chemical fire extinguisher with hose line, safety hand line (manned and charged) from secondary supply source per NFPA 1403, tank/contained area to recreate aircraft fuel spill

Task Steps	**Pass**	**Fail**
The Candidate will:		
1. Place the extinguisher system into operation		
2. Approach fire from the upwind position		
3. Direct agent at the base of the fire, using an aggressive sweeping motion		
4. Use techniques applied with consideration to fire behavior of aircraft fuels, pooling of fuel fires, physical properties and characteristics of aircraft fuel		
5. Avoid splashing or churning field with agent stream		
6. Extinguish the fire in 25 seconds or less, and monitor area for re-ignition		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**6**	**TOTALS**		

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TENNESSEE COMMISSION
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AIRPORT FIRE FIGHTER (AFF)

Skill No. **AFF-13** **Standard: 6.3.2** **NFPA 1003, 2005 Edition**	**Primary Task**: Suppression – Operate Fire Streams, Apply Agent

Objective: You shall, as a member of a team and utilizing PrPPE, operate fire streams and apply AFFF using the prescribed techniques, extinguish the fire in no more than 90 seconds. Do you understand these instructions?

_____

Equipment Required: PrPPE, ARFF apparatus equipped with a 95 gpm minimum hand line, aqueous film forming foam (AFFF) or equivalent training agent, tank/contained area to recreate aircraft fuel spill, a given scenario

Task Steps	**Pass**	**Fail**
The Candidate will:		
1. Approach fire from an upwind position		
2. Maintain team integrity for duration of skill		
3. Charge hand line and adjust nozzle pressure to produce effective pattern		
4. Use techniques applied with consideration to fire behavior of aircraft fuels, pooling of fuel fire physical properties and characteristics of aircraft fuel		
5. Avoid splashing or churning fuel with agent stream, apply agent with a sweeping motion and avoid walking through the foam blanket		
6. Extinguish fire within 90 seconds and area is monitored for re-ignition		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**6**	**TOTALS**		

Test Date_____ Location:_____
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TENNESSEE COMMISSION
ON FIREFIGHTING

AIRPORT FIRE FIGHTER (AFF)

Skill No. AFF-14 **Standard: 6.3.4** **NFPA 1003, 2005 Edition**	**Primary Task**: Suppression – Three-Dimensional Fire

Objective: Working as a member of a team, utilizing PPPE and an ARFF vehicle hand line with dual-agent capability, you will operate fire streams applying primary and secondary ARFF agents, using prescribed techniques sufficient to extinguish a three-dimensional fire. Do you understand these instructions?

_____

Equipment Required: PrPPE, training agent (AFFF, dry chemical, Halon, Halotron®, water), ARFF vehicle equipped with dual-agent hand line capability, safety hand line (manned and charged) from secondary supply source per NFPA 1403, airport or training facilities procedure to recreate a three-dimensional fire, a given scenario

Task Steps	**Pass**	**Fail**
The Candidate will:		
1. Maintain team integrity for duration of skill		
2. Charge hand line(s) and adjust nozzle pressure to produce effective pattern(s)		
3. Approach fire from upwind position		
4. Use techniques applied with consideration to fire behavior of aircraft fuels in three-dimension-al state, pooling of fuel fires, physical properties and characteristics of aircraft fuel		
5. Avoid splashing or churning of pooled fuel with agent streams and avoid walking through applied agent(s)		
6. Monitor area for re-ignition		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**6**	**TOTALS**		

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Candidate_____SS#_____
Candidate's Fire Dept._____
Evaluator Signature(s)

TENNESSEE COMMISSION
ON FIREFIGHTING

AIRPORT FIRE FIGHTER (AFF)

Skill No. **AFF-15** **Standard: 6.3.6** **NFPA 1003, 2005 Edition**	**Primary Task**: Suppression – Engine or Auxiliary Power Unit (EPU/APU)

Objective: Working as a member of a team, utilizing PrPPE, you will deploy and operate ARFF hand line or turrets, gain access to aircraft engine and APU/EPU and shut down engine and APU. Do you understand these instructions?

_____

Equipment Required: PrPPE, SCBA, ARFF vehicle with turret, policies and procedures regarding extinguishment of aircraft engine/APU/EPU fires, a given scenario

Task Steps	**Pass**	**Fail**
The Candidate will:		
1. Set up attack from a safe distance		
2. Select proper agent		
3. Engage extinguishing system and ARFF hand line		
4. Approach fire in accordance with safety procedures (i.e. upwind position, rear or front of wheel assembly)		
5. Gain access to aircraft engine and APU/EPU		
6. Select and operate the appropriate turret(s) hand line		
7. Shut down engine and APU		
8. Manage agent supply with accurate/effective stream placement		
9. Apply agent in a sweeping motion and avoid walking through foam blanket		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**9**	**TOTALS**		

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TENNESSEE COMMISSION
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AIRPORT FIRE FIGHTER (AFF)

Skill No. **AFF-16** **Standard: 6.3.7** **NFPA 1003, 2005 Edition**	**Primary Task**: Suppression – Wheel Fire

Objective: Working as a member of a team, utilizing PrPPE, you will attack a wheel assembly fire. You will approach the fire in accordance with safety procedures, select and apply agent to extinguish the fire. Do you understand these instructions?

_____

Equipment Required: ARFF vehicle, PrPPE, SCBA, wheel assembly fire, hand line, various training agents (AFFF, dry chemical, Halon, Halotron®, water), other items as determined by the examiner, a given scenario

Task Steps	Pass	Fail
The Candidate will:		
1. Be aware of fusible plug problems		
2. Set up attack from a safe distance		
3. Select proper agent		
4. Engage extinguishing system and ARFF hand line		
5. Approach fire in accordance with safety procedures (i.e. upwind position, rear or front of wheel assembly)		
6. Adjust nozzle to produce an effective pattern		
7. Direct agent at the base of the fire		
8. Monitor area for re-ignition		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**8**	**TOTALS**		

Test Date_____ Location:_____
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TENNESSEE COMMISSION
ON FIREFIGHTING

AIRPORT FIRE FIGHTER (AFF)

Skill No. AFF-17 **Standard: 6.3.3** **NFPA 1003, 2005 Edition**	**Primary Task**: Suppression – ARFF Vehicle Turret Fire

Objective: Working as a member of a team, utilizing PrPPE, you will identify hazardous conditions and apply fire-fighting agents and streams using ARFF vehicle turrets, to extinguish an aircraft fuel spill fire in less than 90 seconds. Do you understand these instructions?

_____

Equipment Required: PrPPE, ARFF vehicle equipped with 250 gpm minimum turret, secondary ARFF vehicle (manned) or other means of backup for safety per NFPA 1403, airport or training center's procedure to recreate an aircraft fuel spill

Task Steps	**Pass**	**Fail**
The Candidate will:		
1. Engage the ARFF vehicle fire fighting systems		
2. Approach and apply agent from an upwind position		
3. Select and operate the appropriate turret(s)		
4. Modulate ARFF vehicle around the fire area, while applying agent in sweeping motion, pushing the fire away from the aircraft fuselage		
5. Avoid driving through foam blanket		
6. Perform assigned operation in compliance with airport policies and procedures		
7. Extinguish the fire within the specified time (90 seconds or less)		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**7**	**TOTALS**		

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TENNESSEE COMMISSION
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AIRPORT FIRE FIGHTER (AFF)

Skill No. **AFF-18** **Standard: 6.3.9** **NFPA 1003, 2005 Edition**	**Primary Task**: Suppression - Replenish Extinguishing Agents

Objective: Working as a member of a team, you will demonstrate the procedures to replenish the vehicle agent and water supply. Do you understand these instructions?

_____

Equipment Required: Helmet, gloves, boots, eye protection, ARFF vehicle, a given scenario

Task Steps	Pass	Fail
The Candidate will:		
1. Use proper PPE, such as helmet, eye protection and gloves		
2. Flush hydrant before attaching supply line		
3. Connect supply line to hydrant (or mobile water source) and vehicle intake		
4. Open water tank and foam tank vent covers		
5. Operate hydrant and valves to fill water tank. Close valves when full of water.		
6. Open and close valves slowly to prevent water hammer		
7. Manually fill foam tank with proper amount and type of foam system used		
8. Close vent covers, disconnect lines and return intake cap		
9. Ensure water has drained from hydrant before replacing hydrant cap		
10. Complete skill within the time established by the AHJ		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**10**	**TOTALS**		

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TENNESSEE COMMISSION
ON FIREFIGHTING

AIRPORT FIRE FIGHTER (AFF)

Skill No. **AFF-19** **Standard: 6.1.1.4** **NFPA 1003, 2005 Edition**	**Primary Task**: Suppression – Engine and Cargo Extinguishing

Objective: Working as a member of a team, utilizing PrPPE, you will gain access to aircraft engine and cargo fire controls, shut down the engine and activate extinguishing systems for both engine and cargo systems. Do you understand these instructions?

_____

Equipment Required: PrPPE, SCBA, policies and procedures regarding extinguishment of aircraft engine and cargo fires with onboard extinguishing systems, aircraft emergency extinguishing controls or equivalent simulator, a given scenario

Task Steps	Pass	Fail
The Candidate will:		
1. Gain access to the aircraft		
2. Locate emergency system controls		
3. Activate emergency controls for engine shutdown		
4. Activate engine extinguishing system		
5. Activate cargo extinguishing system		

♦***Critical Step*** - Failure on this step mandates failure on the entire objective!	**Total steps candidate must complete to pass:**	**5**	**TOTALS**		

Test Date_____ Location:_____
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Evaluator Signature(s)

This work book has been
prepared to help the student meet the practical
requirements for Fire Safety Compliance Officer I
This work book is to remain on file and is subject to audit by the Commission.

It is to be completed before testing for certification at the
State Level you will have one (1) year from the
date you first test to attain certification or you will have to complete a new work book.

All items must be completed and <u>printed legible.</u>
<u>All</u> items must be signed by the
CERTIFIED Inspector in the space provided

This does not meet T.C.A. 68-120-113 nor does it meet the J.P.R.s for NFPA 1031

The applicant shall accompany a certified inspector on the following inspections.

2 Inspections in an industrial setting
Inspection sheets must be attached ____

2 Inspections in an educational setting
Inspection sheets must be attached ____

2 Inspections in a business setting
Inspection sheets must be attached ____

2 Inspections in an institutional setting
Inspection sheets must be attached ____

Date of Completion _____

Name of CERTIFIED Inspector conducting exam

Print _____

Certification # _____Expiration Date _____

Applicant Name

Print _____

I confirm that I _____ have completed this practical exam.

Signature of Inspector _____

This work book has been
prepared to help the student meet the practical
requirements for Fire Safety Compliance Officer II.
This work book is to remain on file and is subject to audit by the Commission.

It is to be completed before testing for certification at the
State Level you will have one (1) year from the
date you first test to attain certification or you will have to complete a new work book.
All items must be completed and <u>printed legible.</u>
<u>All</u> items must be signed by the
CERTIFIED Inspector in the space provided

This does not meet T.C.A. 68-120-113 nor does it meet the J.P.R.s for NFPA 1031

The applicant shall conduct inspections in the following locations under the supervision of a certified inspector.

2 Inspections in an industrial setting
Inspection sheets must be attached ___

2 Inspections in an educational setting
Inspection sheets must be attached ___

2 Inspections in a business setting
Inspection sheets must be attached ___

2 Inspections in an institutional setting
Inspection sheets must be attached ___

Date of Completion _____

Name of CERTIFIED Inspector conducting exam

Print _____

Certification # _____Expiration Date _____

Applicant Name

Print _____

I confirm that I _____ have completed this practical exam.

Signature of Inspector _____